Dimensions and Measuring Units in CSS

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

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Learning Objectives

In this tutorial we will learn:

In this tutorial we will learn:

▶ **Measuring units**

Learning Objectives

In this tutorial we will learn:

- ▶ **Measuring units**
- ▶ **Width & Height in** CSS

System Requirements

This tutorial is recorded using

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This tutorial is recorded using

▶ Ubuntu Linux OS v 18.04

System Requirements

This tutorial is recorded using

- ▶ Ubuntu Linux OS v 18.04
- ▶ CSS3

System Requirements

This tutorial is recorded using

- Ubuntu Linux OS v 18.04
- CSS3
- HTML5

System Requirements

This tutorial is recorded using

- ▶ Ubuntu Linux OS v 18.04
- ▶ CSS3
- ▶ HTML5
- ▶ gedit **Text Editor**

System Requirements

This tutorial is recorded using

- ▶ Ubuntu Linux OS v 18.04
- ▶ CSS3
- ▶ HTML5
- ▶ gedit **Text Editor**
- ▶ Firefox **Web Browser**

Prerequisite

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- ▶ **You should know to use** `HTML` **and** `CSS`

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▶ **You should know to use** HTML **and** CSS

▶ **If not, please go through the** HTML **and** CSS **tutorials on** **https://spoken-tutorial.org**

Code Files

▶ **The files used in this tutorial are available in the** `Code Files` **link on this tutorial page**

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▶ **Please download and extract them**

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- ▶ **Make a copy and then use them while practising**

Measuring Units

► **In** CSS **we use some of the common measuring units to define the** style properties

Measuring Units

There are two types of `measuring units`

Measuring Units

There are two types of `measuring units`

▶ **Relative Units**

Measuring Units

There are two types of `measuring units`

- ▶ **Relative Units**
- ▶ **Absolute Units**

Relative Units

Relative Units

▶ **They are relative to other** `measuring units`

Relative Units

- **They are relative to other** `measuring units`
- **It consists of units like:**

Relative Units

▶ **They are relative to other** `measuring units`

▶ **It consists of units like:**
- ▶ **Percentage (%)**

Relative Units

- **They are relative to other** `measuring units`
- **It consists of units like:**
  - **Percentage (%)**
  - **em**

Relative Units

- **They are relative to other** `measuring units`
- **It consists of units like:**
  - **Percentage (%)**
  - **em**
  - **ex**

Absolute Units

Absolute Units

▶ **They are fixed and not relative to other units**

Absolute Units

It consists of units like:

Absolute Units

It consists of units like:
- **Point (pt)**

Absolute Units

It consists of units like:

- ▶ **Point (**pt**)**
- ▶ **Pixel (**px**)**

Absolute Units

It consists of units like:

- ▶ **Point (**pt**)**
- ▶ **Pixel (**px**)**
- ▶ **Millimetre (**mm**)**

Absolute Units

It consists of units like:

- ▶ **Point (**pt**)**
- ▶ **Pixel (**px**)**
- ▶ **Millimetre (**mm**)**
- ▶ **Centimetre (**cm**)**

Absolute Units

It consists of units like:

- **Point (**pt**)**
- **Pixel (**px**)**
- **Millimetre (**mm**)**
- **Centimetre (**cm**)**
- **Inch (**in**)**

Heading Tag sizes

Heading Tag sizes

Heading Tags	Pixels	Points
H1	32	24
H2	24	18
H3	18.7	13.5
H4	16	12
H5	13.3	10
H6	12	9

Summary

In this tutorial, we have learnt:

▶ **Measuring units**

▶ **Width & Height in** CSS

Assignment

▶ **Open the file** `webpage.html` **which you created earlier**

▶ **Create a** `div tag`

▶ **Inside the** `div tag`**, add some content using the** `paragraph tag`

Assignment

▶ **Open the file** `styles.css` **which you have created earlier**

▶ **Set the** `width` **of the** `div tag` **to** 5cm

▶ **Set the** `height` **of the** `div tag` **to** 5cm

Assignment

▶ **Set the** `background color` **of the** `div tag` **to** `pink`

▶ **Link the** `styles.css` **file to** `webpage.html` **file**

▶ **Observe the output**

About Spoken Tutorial project

- ▶ Watch the video available at
  https://spoken-tutorial.org /What_is_a_Spoken_Tutorial

- ▶ It summarises the Spoken Tutorial project

- ▶ If you do not have good bandwidth, you can download and watch it

Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- ▶ **Conducts workshops using spoken tutorials**

- ▶ **Gives certificates to those who pass an online test**

- ▶ **For more details, please write to contact@spoken-tutorial.org**

Answers for THIS Spoken Tutorial

▶ **Questions in THIS Spoken Tutorial?**

▶ **Visit**
   https://forums.spoken-tutorial.org

▶ **Choose the minute and second where you have the question**

▶ **Explain your question briefly**

▶ **The Spoken Tutorial project will ensure an answer**

You will have to register to ask questions

Acknowledgements

▶ **Spoken Tutorial project is funded by Ministry of Education (MoE), Govt. of India**

Thank You

Thanks for joining

https://spoken-tutorial.org