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STP COMPUTER EDUCATION

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SUBJECT :- WEB DESIGNING

Chapter - 1

Introduction to CSS3

CSS version 3 (Cascading Style Sheet)

CSS3 is the latest evolution of the Cascading Style Sheets language and aims at extending CSS2.1. It brings a lot of long-awaited novelties, like rounded corners, shadows, gradients, transitions or animations, as well as new layouts like multi-columns, flexible box or grid layouts.

CSS3 is used to apply :-

1. Dynamic effects
2. Transitions
3. Animations
4. Slick and flexible page
5. Gradient effects

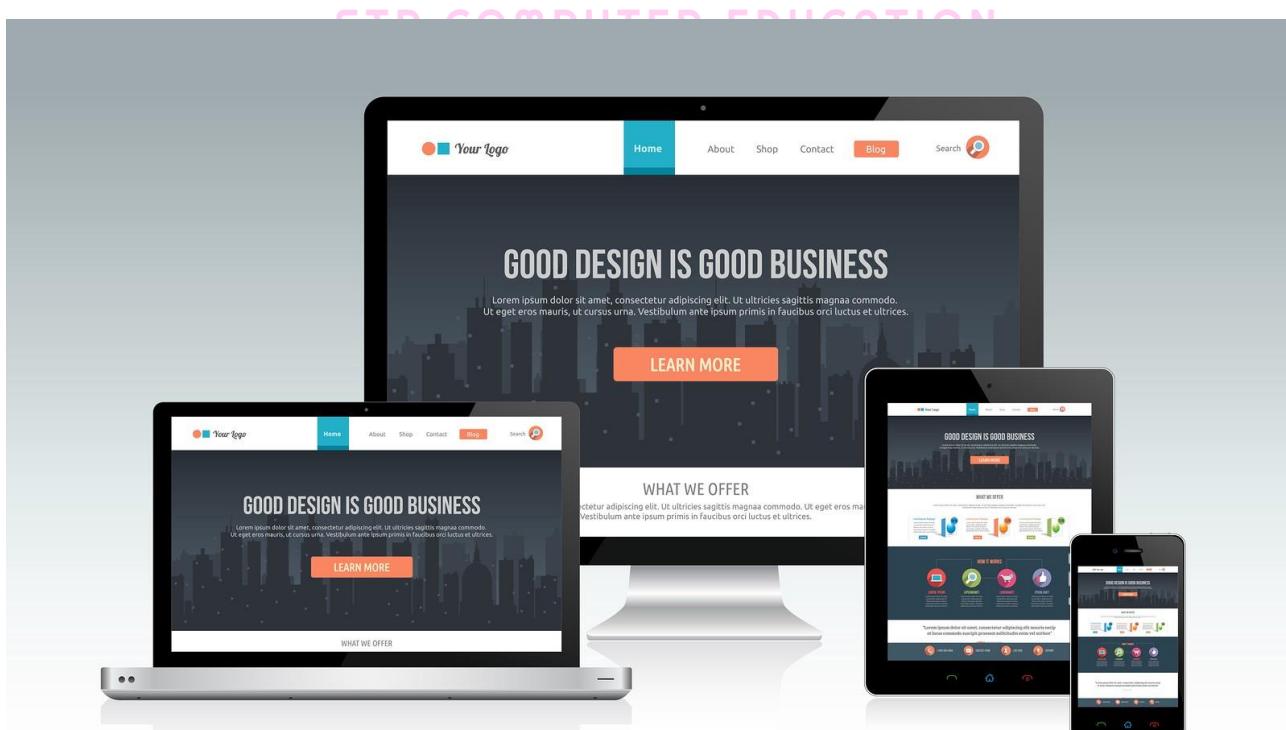
Difference Between CSS2 And CSS3

CSS2	CSS3
Css2 creates only staladon graphics webpage	Css3 creates staladon and motion graphics webpage.
Css2 makes our webpage user friendly	Css3 makes our webpage user and device friendly both
Css2 properties are long	Css3 properties are sort
Css2 use some softwares for graphics editing	Css3 can edit any graphics without any softwares
Css2 properties are browser friendly	Css3 properties are not browser friendly

CSS3 Responsive web design

What is responsive web design ?

Responsive web design makes your web page look good on all devices. Responsive web design uses only HTML and CSS. Responsive web design is not a program .



Types of responsive

1. Adaptive : 2 websites/Device Type/Changes Content

Adaptive websites will deliver different websites depending on the device type that visits the site. This means the mobile site will be totally different than (and separate from) desktop. Ex- www.google.com , www.youtube.com

2. Fluid Responsive : 1 website/Screen Size/Doesn't Change Content

Fluid responsive websites will deliver only one website depending on the device type that visits the site. This means the mobile site will be totally implemented with desktop content. Ex- postimage.org



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Chapter - 2

Responsive web design part 3 (@media query)

CSS version 3 (Cascading Style Sheet)

@media is a method or rule to apply conditions on different-different screen sizes and start controlling the design and the layout of full website



Important Properties

max-width : 600px | इसका मतलब जब स्क्रीन 600px से छोटा होगा तो क्या होगा

min-width : 600px | इसका मतलब जब स्क्रीन 600px से बड़ा होगा तो क्या होगा

@media Syntax

```
@media only screen and(max-width:600px)
{
    Selector{ properties : value; }
}
```



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SUBJECT :- WEB DESIGNING

Chapter - 3

CSS3 Custom Scrollbar Designing

CSS version 3 (Cascading Style Sheet)

Wekit browsers, such as Chrome, Safari and Opera, supports the non-standard ::-webkit-scrollbar pseudo element, which allows us to modify the look of the browser's scrollbar.

PSEUDO ELEMENTS FOR SCROLLBAR DESIGNING

::scrollbar

::scrollbar-track

::scrollbar-thumb

Syntax : body::-webkit-scrollbar{property:value;}

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SUBJECT :- WEB DESIGNING

Chapter - 4

CSS3 Flex

CSS version 3 (Cascading Style Sheet)

PROPERTIES	VALUE
display	flex
justify-content	center, flex-start, flex-end, space-around, space between
align-items	center, flex-start, flex-end
flex-direction	column, column-reverse

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SUBJECT :- WEB DESIGNING

Chapter - 5

CSS3 Properties

CSS version 3 (Cascading Style Sheet)

Properties

1. Longhand properties
2. Shorthand properties

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Long hand

Margin-top
Margin-right
Margin-bottom
Margin-left



Short hand

Margin

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SUBJECT :- WEB DESIGNING

Chapter - 6

CSS3 Shorthand Properties

CSS version 3 (Cascading Style Sheet)

Properties

1. Longhand properties
2. Shorthand properties

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Longhand properties	Shorthand properties
margin-top	margin
margin-right	20px
margin-bottom	20px 20px
margin-left	20px 20px 20px 20px
padding-top	padding

padding-right	20px
padding-bottom	20px 20px
padding-left	20px 20px 20px 20px
border-top-left-radius	border-radius
border-top-right-radius	10px
border-bottom-left-radius	10px 10px
border-bottom-right-radius	10px 10px 10px 10px
list-style-image : url(1.jpg)	
list-style-position : outside , inside	
list-style-type : circle , square , upper-roman , lower-alpha , none	list-style : url(1.jpg) inside STP COMPUTER EDUCATION
background-color : red	
background-image : url(1.jpg)	
background-size : 100px 100px , contain , cover	background
background-repeat : repeat ,	

no-repeat , repeat-x , repeat-y

background-position : top left ,
top center , top right , center
left , center , center right ,
bottom-left , bottom-center ,
bottom-right

background-attachment : scroll
, fixed



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SUBJECT :- WEB DESIGNING

Chapter - 7

CSS3 Animations

CSS version 3 (Cascading Style Sheet)

Animations

Motion graphics are called animation

Animation Properties in CSS3

Longhand properties	Shorthand properties
Animation-name : anyname	
Animation-duration : 4s	
Animation-delay : 1s	
Animation-direction : reverse , alternate , alternate-reverse	Animation : stp 4s infinite
Animation-fill-mode : forward , backward , both , none	
Animation-iteration-count : 2 , infinite	

* Animation-play-state : paused , running

* Animation-timing-function : linear ,
* ease , ease-in , ease-out , easein-out ,
* step-start , step-end,
* steps(int,start|end) , cubic-
* bezier(n,n,n,n)

Defining the actions of animation

```
@keyframes animationName  
{  
0%{property:value;}  
100%{property:value;}  
}
```

Defining browser compatibility for animation property and key frames method

Use browser syntax code

-webkit- for chrome and safari versions
-o- for opera versions
-moz- for mozilla firefox versions

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Visual Effects

filter : blur(px)

brightness(%)

contrast(%)

drop-shadow(8px 8px 10px gray)

grayscale(%)

hue-rotate(deg)

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invert(%)

opacity(%)

saturate(num)

sepia(%)

contrast(%)

brightness(%)

none