

# Converting Colors

XYZ(39.2133, 22.7992, 4.8165)

Have a look what the booklet for  
XYZ(39.2133, 22.7992, 4.8165)  
contains.

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# Color

**XYZ(39.2133, 22.7992,  
4.8165)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F33F2D
RGB	243, 63, 45
RGB Percent	95%, 25%, 18%
CMY	0.0471, 0.7529, 0.8235
CMYK	0.00, 0.74, 0.81, 0.05
HSL	5°, 89%, 56%
HSV	5°, 81%, 95%
XYZ	39.2133, 22.7992, 4.8165
YIQ	114.7680, 113.0580, 32.5620

# Conversions

## Conversions Part 2

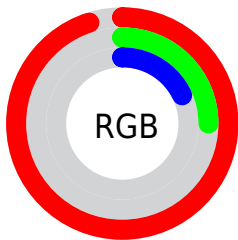
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 65, 45
Decimal	15941421
CIE <sub>Lab</sub>	54.86, 66.77, 51.45
CIE <sub>LCh</sub>	55, 84.292, 37.615
Yxy	22.7992, 0.5868, 0.3412
Android (android.graphics.Color)	4294131501 (0xFFFF33F2D)
YUV	114.7680, -34.3956, 112.4595
Hunter-Lab	47.7485, 63.0326, 27.4432

# Details

The XYZ color **39.2133, 22.7992, 4.8165** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **44.1810, 60.8715, 94.2141**, and the grayscale version is **16.3040, 17.1531, 18.6797**.

A 20% lighter version of the original color is **50.2987, 36.2162, 14.6953**, and **18.3601, 9.4650, 0.8592** is the 20% darker color. If you saturate the color by 10%, you get **37.8848, 20.6883, 2.6915**, and if you desaturate by 10%, it is **41.3020, 26.0012, 8.5211**.

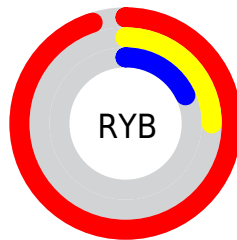
# Distribution



Red (95%)

Green (25%)

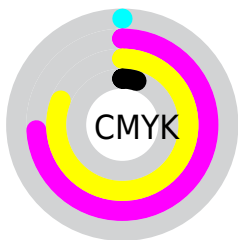
Blue (18%)



Red (95%)

Yellow (25%)

Blue (18%)

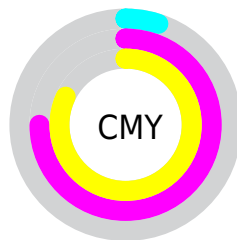


Cyan (0%)

Magenta (74%)

Yellow (81%)

Black (5%)



Cyan (5%)

Magenta (75%)


Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2133, 22.7992, 4.8165 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 39.2133, 22.7992, 4.8165 by changing the saturation by 10% instead.




 39.2133, 22.7992,  
4.8165


 39.2133, 22.7992,  
4.8165


333.9881,  
266.6920, 156.9092

 27.1072, 14.4453,  
2.0832


 73.2560, 48.0634,  
15.8529


 17.7907, 8.4310,  
0.6057


 95.9234, 65.7425,  
24.9931


 10.8986, 4.3720,  
0.0000


 122.8418, 87.2988,  
37.1059

 6.0655, 1.8837,  
0.0000

 154.3767,  
113.1167, 52.6100

 2.9260, 0.5386,  
0.0000

 190.8934,  
143.5805, 71.9238

 1.1147, 0.0000,  
0.0000

 232.7573,

 0.0374, 0.0000,

179.0748, 95.4659

0.0000

280.3337,  
219.9838, 123.6549

■ 0.0000, 0.0000,  
0.0000

■ 39.2133, 22.7992,  
4.8165

■ 39.2133, 22.7992,  
4.8165

■ 37.8848, 20.6883,  
2.6915

■ 41.3020, 26.0012,  
8.5211


■ 37.2508, 19.6325,  
1.8261


■ 44.2421, 30.4111,  
14.0340


■ 48.1133, 36.1350,  
21.5474


■ 52.9857, 43.2663,  
31.2286

■ 58.9227, 51.8899,  
43.2276

 65.9822, 62.0840,  
57.6807

 74.2181, 73.9213,  
74.7139

 83.6809, 87.4699,  
94.4444

 90.7718, 97.7945,  
108.6998

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7588, 22.7992, 18.6191



39.2133, 22.7992, 4.8165



29.2450, 22.7992, 1.1785

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.2133, 22.7992, 4.8165



8.9545, 22.7992, 9.9487



24.1354, 22.7992, 118.5105

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.2133, 22.7992, 4.8165



44.1810, 60.8715, 94.2141

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.5309, 22.7992, 109.0808



39.2133, 22.7992, 4.8165



8.3085, 22.7992, 32.2748

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.2133, 22.7992, 4.8165



12.4609, 22.7992, 2.3156



10.3393, 22.7992, 71.2421



34.5676, 22.7992, 91.8149



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.2133, 22.7992, 4.8165



22.4250, 22.7992, 0.7254



10.3393, 22.7992, 71.2421



20.9321, 22.7992, 119.6730

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.2138, 22.8006, 4.8168



71.4633, 66.1624, 59.9253



51.6963, 26.4498, 74.6918



14.6878, 13.2833, 11.5802



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.2138, 22.8006, 4.8168



41.6793, 22.0939, 2.2143



50.0931, 44.5592, 8.4433



16.6203, 16.7248, 17.1498



20.4856, 10.8568, 1.0159



1.8409, 1.0350, 0.1027



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.1810, 60.8715, 94.2141



47.0450, 65.1151, 104.6967



24.9138, 22.3371, 87.7917



16.8603, 18.4848, 21.2219



23.1068, 32.0073, 51.4982



2.0678, 2.8871, 4.5385



# Previews

## White Background



This preview shows how the XYZ color 39.2133, 22.7992, 4.8165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.2133, 22.7992, 4.8165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.2133, 22.7992, 4.8165**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.2133, 22.7992, 4.8165.



This preview shows how white text looks on a background with the XYZ color 39.2133, 22.7992,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

39.2133, 22.7992, 4.8165

### Protanopia

21.0307, 22.9837, 8.1783

### Deuteranopia

23.2573, 22.8534, 4.2223



## Tritanopia

39.5281, 22.7511, 7.0107

# Trichromacy



## Original Color

39.2133, 22.7992, 4.8165

## Protanomaly

25.0523, 20.6346, 6.5334

## Deuteranomaly

27.2882, 21.0876, 4.1454

## Tritanomaly

39.3986, 22.7855, 6.0629

# Monochromacy



## Original Color

39.2133, 22.7992, 4.8165

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

20.9286, 16.7853, 11.8097

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.2133, 22.7992, 4.8165 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(243, 63, 45)` looks like.

```
.text, #text, p{  
    color:rgb(243, 63, 45)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(243, 63, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 63, 45) }
```

## Border

The CSS property to change the border of an element to XYZ 39.2133, 22.7992, 4.8165 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(243, 63, 45) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(243, 63, 45) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(243, 63, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 63, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 63, 45);  
box-shadow:4px 4px 4px 4px rgb(243, 63,  
45) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.2133, 22.7992, 4.8165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 63, 45) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(243, 63,  
45) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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