

# Converting Colors

XYZ(39.8329, 21.5962, 7.9388)

Have a look what the booklet for  
XYZ(39.8329, 21.5962, 7.9388)  
contains.

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# Color

**XYZ(39.9045, 21.6209,  
7.8644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F62946
RGB	246, 41, 70
RGB Percent	96%, 16%, 27%
CMY	0.0353, 0.8391, 0.7255
CMYK	0.00, 0.83, 0.72, 0.04
HSL	352°, 92%, 56%
HSV	352°, 83%, 96%
XYZ	39.9045, 21.6209, 7.8644
YIQ	105.6010, 112.8710, 52.4790

# Conversions

## Conversions Part 2

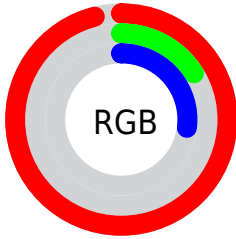
Format	Color
<a href="#">RYB</a>	<a href="#">246, 41, 70</a>
Decimal	<a href="#">16132422</a>
CIELab	<a href="#">53.62, 74.30, 36.75</a>
CIElCh	<a href="#">54, 82.890, 26.317</a>
Yxy	<a href="#">21.6209, 0.5751, 0.3116</a>
Android (android.graphics.Color)	<a href="#">4294322502</a> (0xFFFF62946)
YUV	<a href="#">105.6010, -17.5513, 123.1299</a>
Hunter-Lab	<a href="#">46.4983, 71.8155, 22.5209</a>

# Details

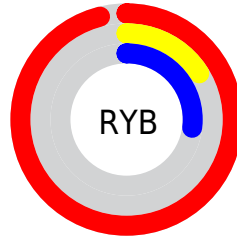
The XYZ color **39.9045, 21.6209, 7.8644** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **46.3978, 71.3938, 76.9940**, and the grayscale version is **13.6179, 14.3271, 15.6022**.

A 20% lighter version of the original color is **49.9787, 33.5053, 20.9725**, and **19.2539, 9.9029, 1.9336** is the 20% darker color. If you saturate the color by 10%, you get **38.7492, 20.1966, 4.7483**, and if you desaturate by 10%, it is **41.8256, 24.2024, 12.3923**.

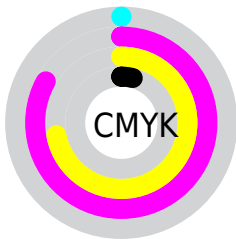
# Distribution



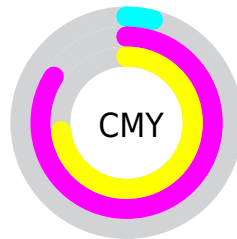
- Red (96%)
- Green (16%)
- Blue (27%)



- Red (96%)
- Yellow (16%)
- Blue (27%)



- Cyan (0%)
- Magenta (83%)
- Yellow (72%)
- Black (4%)




- Cyan (4%)
- Magenta (84%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9045, 21.6209, 7.8644 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 39.9045, 21.6209, 7.8644 by changing the saturation by 10% instead.





 39.9045, 21.6209,  
7.8644


 39.9045, 21.6209,  
7.8644


336.8622,  
260.5601, 184.5592


 27.6480, 13.5786,  
3.9218


 74.3033, 46.1186,  
22.2339

 18.1996, 7.8282,  
1.5825


 97.1763, 63.3428,  
33.4980

 11.1939, 3.9852,  
0.2783


 124.3189, 84.3965,  
48.0395

 6.2657, 1.6653,  
0.0000

 156.0964,  
109.6640, 66.2771

 3.0495, 0.4010,  
0.0000

 192.8741,  
139.5297, 88.6294

 1.1800, 0.0000,  
0.0000

235.0174,

 0.0905, 0.0000,

174.3780, 115.5148

0.0000

282.8916,  
214.5933, 147.3519

■ 0.0000, 0.0000,  
0.0000

■ 39.9045, 21.6209,  
7.8644

■ 39.9045, 21.6209,  
7.8644

■ 38.7492, 20.1966,  
4.7483

■ 41.8256, 24.2024,  
12.3923

■ 38.3059, 19.7128,  
3.3590


■ 44.6189, 28.1176,  
18.4763


■ 48.3751, 33.5169,  
26.2430


■ 53.1730, 40.5294,  
35.8060

■ 59.0829, 49.2701,  
47.2686

 66.1693, 59.8437,  
60.7263

 74.4914, 72.3464,  
76.2681

 84.1046, 86.8677,  
93.9776

 91.8158, 98.3327,  
108.7486

# Harmonies

## Analogous

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



42.6577, 21.6209, 26.8156



39.9045, 21.6209, 7.8644



31.5147, 21.6209, 1.8123

# Triad

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



39.9045, 21.6209, 7.8644



9.3876, 21.6209, 5.5304



19.4753, 21.6209, 113.4491

# Complementary

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



39.9045, 21.6209, 7.8644



46.3978, 71.3938, 76.9940

# 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.



12.4788, 21.6209, 91.9058



39.9045, 21.6209, 7.8644



7.8104, 21.6209, 20.5453

# Square

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



39.9045, 21.6209, 7.8644



13.8875, 21.6209, 1.3024



8.7536, 21.6209, 52.4559



29.0614, 21.6209, 99.8948



# Rectangle

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



39.9045, 21.6209, 7.8644



24.8472, 21.6209, 0.8330



8.7536, 21.6209, 52.4559



16.7793, 21.6209, 109.8267

# Sweetspot

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



39.9050, 21.6222, 7.8647



70.3815, 62.8132, 63.2195



45.5267, 22.7264, 89.1754



14.4703, 12.5570, 12.4062



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.



39.9050, 21.6222, 7.8647



41.5592, 21.3877, 3.6110



44.2852, 31.5105, 5.8478



16.5945, 16.5207, 17.6115



20.4762, 10.5339, 1.9500



1.8284, 0.9373, 0.3227



# Inverse Universe

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



39.9050, 21.6222, 7.8647



41.5592, 21.3877, 3.6110



32.7355, 37.4971, 92.7006



16.5945, 16.5207, 17.6115



20.4762, 10.5339, 1.9500



1.8284, 0.9373, 0.3227



# Previews

## White Background



This preview shows how the XYZ color 39.9045, 21.6209, 7.8644 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 39.9045, 21.6209, 7.8644 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 39.9045, 21.6209, 7.8644**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9045, 21.6209, 7.8644.



This preview shows how white text looks on a background with the XYZ color 39.9045, 21.6209,



# 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

39.9045, 21.6209, 7.8644

### Protanopia

20.3359, 21.6768, 15.1688

### Deuteranopia

22.0213, 21.5955, 7.0107



## Tritanopia

39.1263, 21.5637, 4.6848

# Trichromacy



## Original Color

39.9045, 21.6209, 7.8644

## Protanomaly

24.1175, 18.4341, 11.7382

## Deuteranomaly

26.2697, 19.2529, 6.8890

## Tritanomaly

39.2465, 21.4897, 5.6938

# Monochromacy



## Original Color

39.9045, 21.6209, 7.8644

## Achromatopsia

13.6994, 14.4128, 15.6956

## Achromatomaly

18.8977, 13.9930, 12.0608

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9045, 21.6209, 7.8644 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(246, 41, 70)` looks like.

```
.text, #text, p{  
    color:rgb(246, 41, 70)  
}
```

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(246, 41, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 41, 70) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9045, 21.6209, 7.8644 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(246, 41, 70) }
```



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

```
.border{ border-color:rgb(246, 41, 70) }
```

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

Here you see how a box with a 4 pixel rgb(246, 41, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 41, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 41, 70);  
box-shadow:4px 4px 4px 4px rgb(246, 41,  
70) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9045, 21.6209, 7.8644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 41, 70) }
```

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

```
.background{ background-color: rgb(246, 41,  
70) }
```

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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