

# Converting Colors

XYZ(39.2674, 25.3048, 12.1782)

Have a look what the booklet for  
XYZ(39.2674, 25.3048, 12.1782)  
contains.

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# Color

**XYZ(39.3072, 25.3585,  
12.2741)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA5959
RGB	234, 89, 89
RGB Percent	92%, 35%, 35%
CMY	0.0824, 0.6509, 0.6510
CMYK	0.00, 0.62, 0.62, 0.08
HSL	0°, 78%, 63%
HSV	0°, 62%, 92%
XYZ	39.3072, 25.3585, 12.2741
YIQ	132.3550, 86.4200, 30.7400

# Conversions

## Conversions Part 2

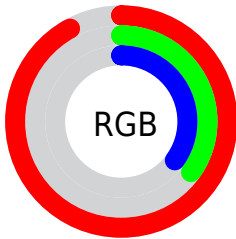
<b>Format</b>	<b>Color</b>
<b>RYB</b>	234, 89, 89
Decimal	15358297
CIELab	57.42, 56.04, 29.98
CIELCh	57, 63.554, 28.144
Yxy	25.3585, 0.5109, 0.3296
Android (android.graphics.Color)	4293548377 (0xFFEA5959)
YUV	132.3550, -21.3740, 89.1427
Hunter-Lab	50.3572, 51.2061, 20.7987

# Details

The XYZ color **39.3072, 25.3585, 12.2741** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **48.3911, 66.9044, 88.2047**, and the grayscale version is **22.1145, 23.2662, 25.3369**.

A 20% lighter version of the original color is **56.0256, 43.3749, 29.8454**, and **17.8646, 9.7756, 3.2308** is the 20% darker color. If you saturate the color by 10%, you get **36.8286, 21.7321, 7.3464**, and if you desaturate by 10%, it is **42.7177, 30.3497, 19.0530**.

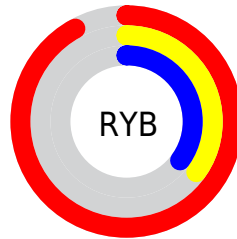
# Distribution



Red (92%)

Green (35%)

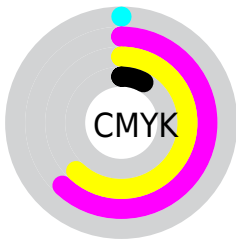
Blue (35%)



Red (92%)

Yellow (35%)

Blue (35%)

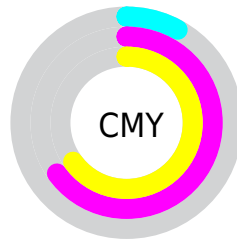


Cyan (0%)

Magenta (62%)

Yellow (62%)

Black (8%)



Cyan (8%)

Magenta (65%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3072, 25.3585, 12.2741 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 39.3072, 25.3585, 12.2741 by changing the saturation by 10% instead.





 39.3072, 25.3585,  
12.2741


 39.3072, 25.3585,  
12.2741


334.3795,  
279.6186, 217.2535


 27.1806, 16.3444,  
6.8058


 73.3985, 52.2382,  
30.6652


 17.8462, 9.7682,  
3.2644


 96.0938, 70.8726,  
44.4251


 10.9386, 5.2455,  
1.2312


 123.0428, 93.4825,  
61.7859

 6.0926, 2.3920,  
0.0044

 154.6107,  
120.4523, 83.1663

 2.9426, 0.8218,  
0.0000

 191.1630,  
152.1664, 108.9847

 1.1235, 0.0000,  
0.0000

233.0650,

 0.0446, 0.0000,

189.0092, 139.6596

0.0000

280.6821,  
231.3652, 175.6097

■ 0.0000, 0.0000,  
0.0000

■ 39.3072, 25.3585,  
12.2741

■ 39.3072, 25.3585,  
12.2741

■ 36.8286, 21.7321,  
7.3464

■ 42.7177, 30.3497,  
19.0530

■ 35.1885, 19.3320,  
4.0862

■ 47.1381, 36.8181,  
27.8404

■ 34.2770, 17.9981,  
2.2746

■ 52.6403, 44.8693,  
38.7783

■ 33.9316, 17.4926,  
1.5880

■ 59.2889, 54.5982,  
51.9955

■ 67.1438, 66.0921,  
67.6108

■ 76.2605, 79.4323,  
85.7346

■ 86.6910, 94.6950,  
106.4704

■ 87.7414, 96.2323,  
108.5580

# Harmonies

## Analogous

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



41.7232, 25.3585, 28.9801



39.3072, 25.3585, 12.2741



32.6072, 25.3585, 5.2103

# Triad

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



39.3072, 25.3585, 12.2741



13.7532, 25.3585, 10.9647



23.6352, 25.3585, 93.5190

# Complementary

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



39.3072, 25.3585, 12.2741



48.3911, 66.9044, 88.2047

# 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.



17.2223, 25.3585, 80.1358



39.3072, 25.3585, 12.2741



12.3076, 25.3585, 26.2859

# Square

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



39.3072, 25.3585, 12.2741



17.8817, 25.3585, 4.7796



13.4322, 25.3585, 52.2381



31.6209, 25.3585, 82.9079



# Rectangle

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



39.3072, 25.3585, 12.2741



27.2106, 25.3585, 3.6341



13.4322, 25.3585, 52.2381



21.2406, 25.3585, 91.5809

# Sweetspot

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



39.3078, 25.3599, 12.2745



74.6522, 70.1524, 68.3496



52.3550, 30.5776, 80.9840



15.4242, 14.2042, 13.5274



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.



39.3078, 25.3599, 12.2745



44.1987, 25.5899, 7.8106



48.5670, 43.8784, 15.3609



15.0656, 15.0542, 15.6304



19.0679, 9.8300, 0.8924



1.4973, 0.7719, 0.0701



# Inverse Universe

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



48.3911, 66.9044, 88.2047



56.0733, 79.9012, 107.0748



31.8035, 33.7292, 82.6755



15.5177, 17.1217, 19.4092



24.8774, 36.4017, 49.4580



1.9535, 2.8585, 3.8837



# Previews

## White Background



This preview shows how the XYZ color 39.3072, 25.3585, 12.2741 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 39.3072, 25.3585, 12.2741 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 39.3072, 25.3585, 12.2741**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3072, 25.3585, 12.2741.



This preview shows how white text looks on a background with the XYZ color 39.3072, 25.3585,



# 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

39.3072, 25.3585, 12.2741

### Protanopia

23.8814, 25.4841, 18.1282

### Deuteranopia

25.9227, 25.4366, 11.5261



## Tritanopia

39.4418, 25.2800, 13.3904

# Trichromacy



## Original Color

39.3072, 25.3585, 12.2741

## Protanomaly

27.7051, 23.9760, 15.7380

## Deuteranomaly

29.6233, 24.3531, 11.7336

## Tritanomaly

39.3532, 25.2446, 12.9238

# Monochromacy



## Original Color

39.3072, 25.3585, 12.2741

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

25.7600, 22.1868, 19.4478

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3072, 25.3585, 12.2741 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(234, 89, 89)` looks like.

```
.text, #text, p{  
    color:rgb(234, 89, 89)  
}
```

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(234, 89, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 89, 89) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3072, 25.3585, 12.2741 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(234, 89, 89) }
```



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

```
.border{ border-color:rgb(234, 89, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 89, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 89, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 89, 89);  
box-shadow:4px 4px 4px 4px rgb(234, 89,  
89) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3072, 25.3585, 12.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 89, 89) }
```

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

```
.background{ background-color: rgb(234, 89,  
89) }
```

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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