

# Converting Colors

XYZ(39.5734, 23.4249, 8.5666)

Have a look what the booklet for  
XYZ(39.5734, 23.4249, 8.5666)  
contains.

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# Color

**XYZ(39.5734, 23.4249,  
8.5666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F14548
RGB	241, 69, 72
RGB Percent	95%, 27%, 28%
CMY	0.0549, 0.7294, 0.7176
CMYK	0.00, 0.71, 0.70, 0.05
HSL	359°, 86%, 61%
HSV	359°, 71%, 95%
XYZ	39.5734, 23.4249, 8.5666
YIQ	120.7700, 101.5490, 37.3970

# Conversions

## Conversions Part 2

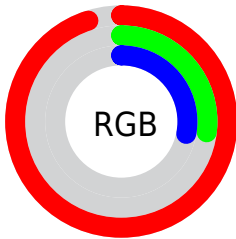
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 69, 72
Decimal	15811912
CIE <sub>Lab</sub>	55.51, 65.14, 37.59
CIE <sub>LCh</sub>	56, 75.204, 29.988
Yxy	23.4249, 0.5530, 0.3273
Android (android.graphics.Color)	4294001992 (0xFFFF14548)
YUV	120.7700, -24.0436, 105.4417
Hunter-Lab	48.3993, 61.2508, 23.3853

# Details

The XYZ color **39.5734, 23.4249, 8.5666** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **49.3444, 70.3494, 91.8754**, and the grayscale version is **18.1534, 19.0988, 20.7986**.

A 20% lighter version of the original color is **52.4104, 38.0788, 22.6768**, and **18.3411, 9.4310, 1.9523** is the 20% darker color. If you saturate the color by 10%, you get **37.7505, 20.7868, 4.8536**, and if you desaturate by 10%, it is **42.2962, 27.3877, 14.0468**.

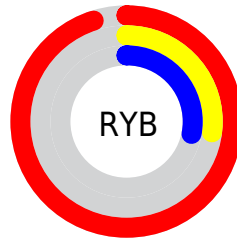
# Distribution



Red (95%)

Green (27%)

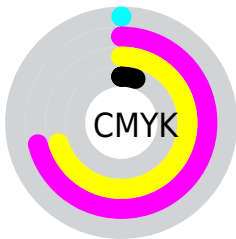
Blue (28%)



Red (95%)

Yellow (27%)

Blue (28%)

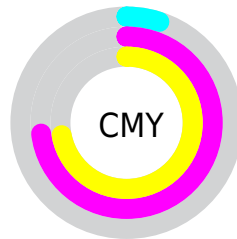


Cyan (0%)

Magenta (71%)

Yellow (70%)

Black (5%)



Cyan (5%)

Magenta (73%)


Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5734, 23.4249, 8.5666 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 39.5734, 23.4249, 8.5666 by changing the saturation by 10% instead.





 39.5734, 23.4249,  
8.5666


 39.5734, 23.4249,  
8.5666


335.4876,  
269.8999, 190.2085


 27.3888, 14.9076,  
4.3667


 73.8019, 49.0901,  
23.6262

 18.0035, 8.7545,  
1.8286


 96.5766, 67.0067,  
35.3229


 11.0522, 4.5814,  
0.4467

 123.6120, 88.8252,  
50.3557

 6.1695, 2.0038,  
0.0000

 155.2735,  
114.9300, 69.1430

 2.9901, 0.6097,  
0.0000

 191.9265,  
145.7055, 92.1033

 1.1485, 0.0000,  
0.0000

233.9362,

 0.0651, 0.0000,

181.5360, 119.6554

0.0000

281.6681,  
222.8060, 152.2176

■ 0.0000, 0.0000,  
0.0000

■ 39.5734, 23.4249,  
8.5666

■ 39.5734, 23.4249,  
8.5666

■ 37.7505, 20.7868,  
4.8536

■ 42.2962, 27.3877,  
14.0468

■ 36.7116, 19.2987,  
2.6895


■ 46.0130, 32.8134,  
21.4758


■ 36.2983, 18.7098,  
1.8185


■ 50.8076, 39.8271,  
31.0137

■ 56.7546, 48.5397,  
42.8041

■ 63.9220, 59.0520,  
56.9777

 72.3726, 71.4571,  
73.6553

 82.1647, 85.8415,  
92.9496

 90.0853, 97.4406,  
108.6677

# Harmonies

## Analogous

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



42.8619, 23.4249, 25.5153



39.5734, 23.4249, 8.5666



31.4515, 23.4249, 2.6786

# Triad

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



39.5734, 23.4249, 8.5666



10.9241, 23.4249, 8.5586



22.2613, 23.4249, 106.4396

# Complementary

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



39.5734, 23.4249, 8.5666



49.3444, 70.3494, 91.8754

# 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.



15.0675, 23.4249, 91.0287



39.5734, 23.4249, 8.5666



9.6204, 23.4249, 25.4962

# Square

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



39.5734, 23.4249, 8.5666



15.0719, 23.4249, 2.6765



10.9220, 23.4249, 56.6701



31.4442, 23.4249, 91.0510



# Rectangle

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



39.5734, 23.4249, 8.5666



25.2198, 23.4249, 1.6239



10.9220, 23.4249, 56.6701



19.5499, 23.4249, 104.6079

# Sweetspot

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



39.5739, 23.4263, 8.5670



72.9375, 67.5257, 65.3031



52.3549, 28.3161, 85.9245



15.0954, 13.6958, 12.9575



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.



39.5739, 23.4263, 8.5670



42.2366, 22.6536, 4.1105



48.1406, 40.7118, 10.9531



15.7839, 15.7633, 16.4185



19.6889, 10.1480, 1.0126



1.6418, 0.8458, 0.1047



# Inverse Universe

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



39.5739, 23.4263, 8.5670



42.2366, 22.6536, 4.1105



31.0314, 33.0150, 87.9554



15.7839, 15.7633, 16.4185



19.6889, 10.1480, 1.0126



1.6418, 0.8458, 0.1047



# Previews

## White Background



This preview shows how the XYZ color 39.5734, 23.4249, 8.5666 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 39.5734, 23.4249, 8.5666 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 39.5734, 23.4249, 8.5666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5734, 23.4249, 8.5666.



This preview shows how white text looks on a background with the XYZ color 39.5734, 23.4249,

8.5666.

# 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

39.5734, 23.4249, 8.5666

### Protanopia

21.9547, 23.5306, 14.2112

### Deuteranopia

23.9759, 23.5259, 7.8347



## Tritanopia

39.5734, 23.4249, 8.5666

# Trichromacy



## Original Color

39.5734, 23.4249, 8.5666

## Protanomaly

25.8866, 21.4237, 11.7876

## Deuteranomaly

28.1297, 22.0389, 7.9256

## Tritanomaly

39.5734, 23.4249, 8.5666

# Monochromacy



## Original Color

39.5734, 23.4249, 8.5666

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

22.7166, 18.4813, 15.2019

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5734, 23.4249, 8.5666 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(241, 69, 72)` looks like.

```
.text, #text, p{  
    color:rgb(241, 69, 72)  
}
```

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(241, 69, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 69, 72) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5734, 23.4249, 8.5666 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(241, 69, 72) }
```



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

```
.border{ border-color:rgb(241, 69, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 69, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 69, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 69, 72);  
box-shadow:4px 4px 4px 4px rgb(241, 69,  
72) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5734, 23.4249, 8.5666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 69, 72) }
```

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

```
.background{ background-color: rgb(241, 69,  
72) }
```

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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