

# Converting Colors

XYZ(39.8706, 24.0195, 8.9580)

Have a look what the booklet for  
XYZ(39.8706, 24.0195, 8.9580)  
contains.

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# Color

**XYZ(39.9604, 24.0927,  
9.0228)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F14A4A
RGB	241, 74, 74
RGB Percent	95%, 29%, 29%
CMY	0.0549, 0.7098, 0.7098
CMYK	0.00, 0.69, 0.69, 0.05
HSL	0°, 86%, 62%
HSV	0°, 69%, 95%
XYZ	39.9604, 24.0927, 9.0228
YIQ	123.9330, 99.5320, 35.4040

# Conversions

## Conversions Part 2

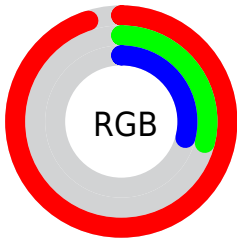
<b>Format</b>	<b>Color</b>
<b>RYB</b>	241, 74, 74
Decimal	15813194
CIELab	56.18, 63.45, 37.25
CIELCh	56, 73.577, 30.420
Yxy	24.0927, 0.5468, 0.3297
Android (android.graphics.Color)	4294003274 (0xFFFF14A4A)
YUV	123.9330, -24.6170, 102.6678
Hunter-Lab	49.0843, 59.4224, 23.4602

# Details

The XYZ color **39.9604, 24.0927, 9.0228** 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 **50.1532, 70.7108, 94.2237**, and the grayscale version is **19.1934, 20.1930, 21.9901**.

A 20% lighter version of the original color is **53.0664, 39.1926, 23.5069**, and **18.3658, 9.4408, 2.0826** is the 20% darker color. If you saturate the color by 10%, you get **37.9858, 21.2038, 5.0971**, and if you desaturate by 10%, it is **42.8627, 28.3403, 14.7914**.

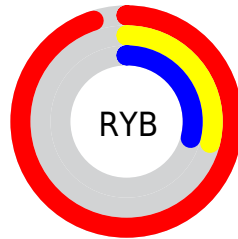
# Distribution



Red (95%)

Green (29%)

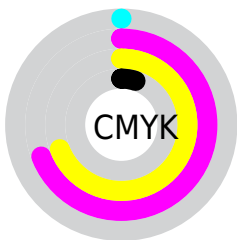
Blue (29%)



Red (95%)

Yellow (29%)

Blue (29%)

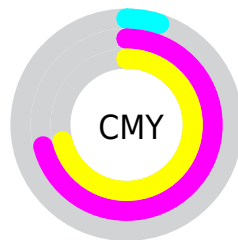


Cyan (0%)

Magenta (69%)

Yellow (69%)

Black (5%)



Cyan (5%)

Magenta (71%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9604, 24.0927, 9.0228 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 39.9604, 24.0927, 9.0228 by changing the saturation by 10% instead.





 39.9604, 24.0927,  
9.0228

 39.9604, 24.0927,  
9.0228


337.0939,  
273.2888, 193.7722


 27.6917, 15.4024,  
4.6590


 74.3879, 50.1814,  
24.5189

 18.2327, 9.1023,  
1.9934


 97.2775, 68.3487,  
36.4883

 11.2179, 4.8080,  
0.5512


 124.4381, 90.4436,  
51.8301

 6.2819, 2.1350,  
0.0000

 156.2351,  
116.8508, 70.9627

 3.0596, 0.6842,  
0.0000

 193.0338,  
147.9545, 94.3046

 1.1853, 0.0000,  
0.0000

235.1996,

 0.0947, 0.0000,

184.1391, 122.2745

0.0000

283.0979,  
225.7891, 155.2909

■ 0.0000, 0.0000,  
0.0000

■ 39.9604, 24.0927,  
9.0228

■ 39.9604, 24.0927,  
9.0228

■ 37.9858, 21.2038,  
5.0971

■ 42.8627, 28.3403,  
14.7914

■ 36.8249, 19.5049,  
2.7896

■ 46.7858, 34.0810,  
22.5900


■ 36.3033, 18.7416,  
1.7529


■ 51.8133, 41.4377,  
32.5843


■ 36.2755, 18.7010,  
1.6977

■ 58.0198, 50.5196,  
44.9225

■ 65.4733, 61.4262,  
59.7398

 74.2367, 74.2496,  
77.1613

 84.3688, 89.0755,  
97.3035

 90.0854, 97.4406,  
108.6677

# Harmonies

## Analogous

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



43.2899, 24.0927, 25.8933



39.9604, 24.0927, 9.0228



31.8918, 24.0927, 3.0083

# Triad

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



39.9604, 24.0927, 9.0228



11.4772, 24.0927, 9.3159



23.0187, 24.0927, 105.6872

# Complementary

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



39.9604, 24.0927, 9.0228



50.1532, 70.7108, 94.2237

# 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.



15.7794, 24.0927, 91.0676



39.9604, 24.0927, 9.0228



10.1926, 24.0927, 26.5753

# Square

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



39.9604, 24.0927, 9.0228



15.6190, 24.0927, 3.0895



11.5525, 24.0927, 57.5477



32.1497, 24.0927, 90.2880



# Rectangle

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



39.9604, 24.0927, 9.0228



25.7110, 24.0927, 1.9025



11.5525, 24.0927, 57.5477



20.3006, 24.0927, 104.0559

# Sweetspot

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



39.9610, 24.0941, 9.0232



72.8281, 67.4832, 64.7234



54.6013, 29.9491, 86.1214



15.0701, 13.6860, 12.8234



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.



39.9610, 24.0941, 9.0232



42.5596, 23.1913, 4.5525



49.6532, 43.4786, 12.2539



15.7729, 15.7590, 16.3602



19.6716, 10.1413, 0.9207



1.6365, 0.8437, 0.0766



# Inverse Universe

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



50.1532, 70.7108, 94.2237



54.8168, 79.2529, 107.0159



30.8429, 32.0902, 87.7869



16.2474, 17.9288, 20.3259



25.6650, 37.5543, 51.0239



2.1351, 3.1242, 4.2447



# Previews

## White Background



This preview shows how the XYZ color 39.9604, 24.0927, 9.0228 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 39.9604, 24.0927, 9.0228 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 39.9604, 24.0927, 9.0228**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9604, 24.0927, 9.0228.



This preview shows how white text looks on a background with the XYZ color 39.9604, 24.0927,



# 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

39.9604, 24.0927, 9.0228

### Protanopia

22.6294, 24.2835, 14.5608

### Deuteranopia

24.7120, 24.2862, 8.2357



## Tritanopia

40.0640, 24.1342, 9.5679

# Trichromacy



## Original Color

39.9604, 24.0927, 9.0228

## Protanomaly

26.7226, 22.3386, 12.1359

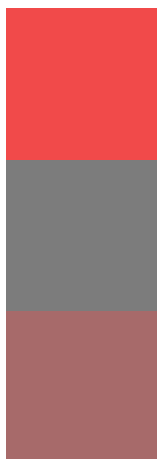
## Deuteranomaly

28.7602, 22.8240, 8.3585

## Tritanomaly

40.0289, 24.1201, 9.3834

# Monochromacy



## Original Color

39.9604, 24.0927, 9.0228

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

23.6919, 19.5642, 16.1632

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9604, 24.0927, 9.0228 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, 74, 74)` looks like.

```
.text, #text, p{  
    color:rgb(241, 74, 74)  
}
```

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, 74, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 74, 74) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9604, 24.0927, 9.0228 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, 74, 74) }
```



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

```
.border{ border-color:rgb(241, 74, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 74, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 74, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 74, 74);  
box-shadow:4px 4px 4px 4px rgb(241, 74,  
74) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9604, 24.0927, 9.0228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 74, 74) }
```

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

```
.background{ background-color: rgb(241, 74,  
74) }
```

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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