

# Converting Colors

XYZ(23.7140, 14.7038, 3.4410)

Have a look what the booklet for  
XYZ(23.7140, 14.7038, 3.4410)  
contains.

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# Color

**XYZ(23.8107, 14.7917,  
3.4338)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C03E26
RGB	192, 62, 38
RGB Percent	75%, 24%, 15%
CMY	0.2471, 0.7568, 0.8510
CMYK	0.00, 0.68, 0.80, 0.25
HSL	9°, 67%, 45%
HSV	9°, 80%, 75%
XYZ	23.8107, 14.7917, 3.4338
YIQ	98.1340, 85.1840, 20.0960

# Conversions

## Conversions Part 2

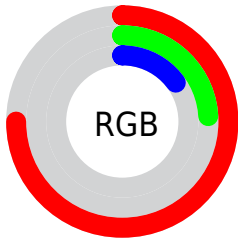
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 66, 38
Decimal	12598822
CIE <sub>Lab</sub>	45.35, 50.77, 42.58
CIE <sub>LCh</sub>	45, 66.262, 39.990
Yxy	14.7917, 0.5664, 0.3519
Android (android.graphics.Color)	4290788902 (0xFFC03E26)
YUV	98.1340, -29.6461, 82.3205
Hunter-Lab	38.4600, 43.2050, 21.6284

# Details

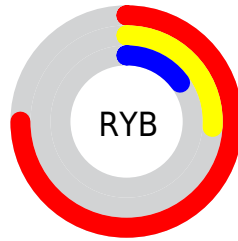
The XYZ color **23.8107, 14.7917, 3.4338** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **24.3146, 32.2196, 54.8062**, and the grayscale version is **11.7003, 12.3097, 13.4052**.

A 20% lighter version of the original color is **49.1251, 34.4067, 12.6463**, and **9.3601, 4.8253, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **22.8232, 13.1913, 1.9505**, and if you desaturate by 10%, it is **25.2213, 16.9833, 5.8459**.

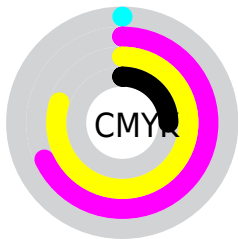
# Distribution



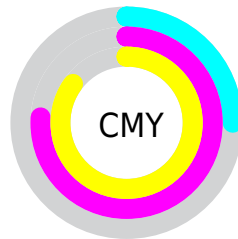
- Red (75%)
- Green (24%)
- Blue (15%)



- Red (75%)
- Yellow (26%)
- Blue (15%)



- Cyan (0%)
- Magenta (68%)
- Yellow (80%)
- Black (25%)




- Cyan (25%)
- Magenta (76%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8107, 14.7917, 3.4338 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 23.8107, 14.7917, 3.4338 by changing the saturation by 10% instead.





 23.8107, 14.7917,  
3.4338


 23.8107, 14.7917,  
3.4338


264.3203,  
222.1020, 141.7073


 15.3172, 8.6733,  
1.3202


 49.1780, 34.4873,  
12.6813

 9.1301, 4.5287,  
0.0782


 66.7826, 48.8334,  
20.6523

 4.8839, 1.9735,  
0.0000

 88.1550, 66.6908,  
31.4128

 2.2134, 0.5920,  
0.0000

 113.6604, 88.4440,  
45.3814

 0.7498, 0.0000,  
0.0000

 143.6643,  
114.4773, 62.9766

 0.0000, 0.0000,  
0.0000

 178.5320,

145.1751, 84.6169

218.6289,  
180.9219, 110.7210

23.8107, 14.7917,  
3.4338

23.8107, 14.7917,  
3.4338

22.8232, 13.1913,  
1.9505

25.2213, 16.9833,  
5.8459

22.2006, 12.1315,  
1.1715

27.0969, 19.8145,  
9.3071

29.4750, 23.3316,  
13.9200

32.3892, 27.5759,  
19.7750

35.8699, 32.5852,  
26.9533

■ 39.9453, 38.3949,  
35.5293

■ 44.6417, 45.0379,  
45.5717

■ 49.9837, 52.5455,  
57.1449

■ 55.9947, 60.9473,  
70.3093

# Harmonies

## Analogous

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



27.2479, 14.7917, 11.4047



23.8107, 14.7917, 3.4338



17.9946, 14.7917, 1.1210

# Triad

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



23.8107, 14.7917, 3.4338



6.2829, 14.7917, 7.8098



15.9734, 14.7917, 68.0896

# Complementary

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



23.8107, 14.7917, 3.4338



24.3146, 32.2196, 54.8062

# 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.



10.7438, 14.7917, 64.5743



23.8107, 14.7917, 3.4338



6.0077, 14.7917, 21.9479

# Square

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



23.8107, 14.7917, 3.4338



8.3020, 14.7917, 2.2650



7.4167, 14.7917, 44.4405



22.0038, 14.7917, 52.2080



# Rectangle

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



23.8107, 14.7917, 3.4338



14.0609, 14.7917, 0.8336



7.4167, 14.7917, 44.4405



14.0572, 14.7917, 69.2966

# Sweetspot

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



23.8110, 14.7926, 3.4340



69.1611, 64.9931, 57.5714



29.5832, 15.4534, 38.9102



14.2765, 13.1429, 11.1728



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



23.8110, 14.7926, 3.4340



40.4758, 22.3924, 2.4759



31.1907, 29.5519, 5.8939



10.1972, 10.3258, 10.5175



14.9761, 8.2380, 0.8008



0.6881, 0.4380, 0.0483

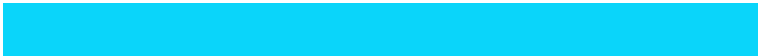


# Inverse Universe

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



24.3146, 32.2196, 54.8062



41.0330, 54.2969, 98.6780



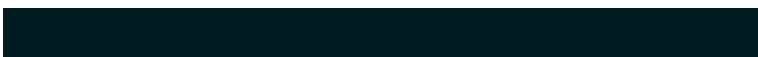
14.1322, 11.8548, 51.4121



10.2305, 11.1523, 12.8982



15.1507, 20.0579, 36.6297



0.6914, 0.9403, 1.5949



# Previews

## White Background



This preview shows how the XYZ color 23.8107, 14.7917, 3.4338 looks on a white 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



# Black Background



This preview shows how the XYZ color 23.8107, 14.7917, 3.4338 looks on a black 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

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

**XYZ 23.8107, 14.7917, 3.4338**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.8107, 14.7917, 3.4338.



This preview shows how white text looks on a background with the XYZ color 23.8107, 14.7917,

3.4338.

# 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

23.8107, 14.7917, 3.4338

### Protanopia

13.7058, 14.9572, 5.2966

### Deuteranopia

15.1900, 15.0093, 3.0738



## Tritanopia

24.4258, 14.8132, 6.1293

# Trichromacy



## Original Color

23.8107, 14.7917, 3.4338

## Protanomaly

16.0883, 13.7904, 4.3986

## Deuteranomaly

17.4344, 14.1411, 3.0389

## Tritanomaly

24.2508, 14.8262, 4.9517

# Monochromacy



## Original Color

23.8107, 14.7917, 3.4338

## Achromatopsia

11.6093, 12.2139, 13.3009

## Achromatomaly

14.0687, 11.9243, 8.3976

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.8107, 14.7917, 3.4338 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(192, 62, 38)` looks like.

```
.text, #text, p{  
    color:rgb(192, 62, 38)  
}
```

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(192, 62, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 62, 38) }
```

## Border

The CSS property to change the border of an element to XYZ 23.8107, 14.7917, 3.4338 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(192, 62, 38) }
```



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

```
.border{ border-color:rgb(192, 62, 38) }
```

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

Here you see how a box with a 4 pixel rgb(192, 62, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 62, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 62, 38);  
box-shadow:4px 4px 4px 4px rgb(192, 62,  
38) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.8107, 14.7917, 3.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 62, 38) }
```

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

```
.background{ background-color: rgb(192, 62,  
38) }
```

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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