

# Converting Colors

XYZ(25.7098, 13.2420, 1.7421)

Have a look what the booklet for  
XYZ(25.7098, 13.2420, 1.7421)  
contains.

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# Color

**XYZ(25.8333, 13.3059,  
1.7370)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF0011
RGB	207, 0, 17
RGB Percent	81%, 0%, 7%
CMY	0.1882, 0.9998, 0.9333
CMYK	0.00, 1.00, 0.92, 0.19
HSL	355°, 100%, 41%
HSV	355°, 100%, 81%
XYZ	25.8333, 13.3059, 1.7370
YIQ	63.8310, 117.9150, 49.1710

# Conversions

## Conversions Part 2

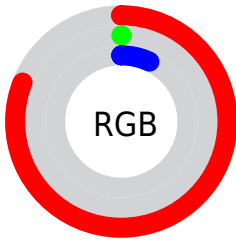
<b>Format</b>	<b>Color</b>
<b>RYB</b>	207, 0, 17
Decimal	13565969
CIELab	43.22, 68.62, 51.76
CIElCh	43, 85.949, 37.026
Yxy	13.3059, 0.6320, 0.3255
Android (android.graphics.Color)	4291756049 (0xFFCF0011)
YUV	63.8310, -23.0877, 125.5592
Hunter-Lab	36.4773, 62.5790, 22.7108

# Details

The XYZ color **25.8333, 13.3059, 1.7370** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **31.6125, 48.3453, 56.4070**, and the grayscale version is **4.8727, 5.1265, 5.5827**.

A 20% lighter version of the original color is **45.4932, 28.2857, 7.9124**, and **11.1553, 5.7508, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **25.8327, 13.3056, 1.7353**, and if you desaturate by 10%, it is **26.3139, 13.9197, 2.9692**.

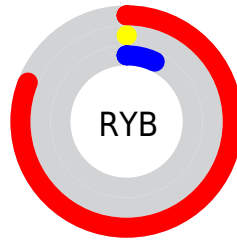
# Distribution



Red (81%)

Green (0%)

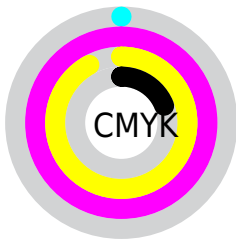
Blue (7%)



Red (81%)

Yellow (0%)

Blue (7%)

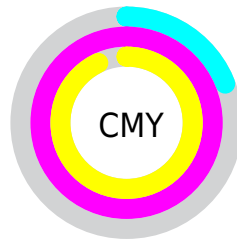


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (19%)



Cyan (19%)

Magenta (100%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8333, 13.3059, 1.7370 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 25.8333, 13.3059, 1.7370 by changing the saturation by 10% instead.




 25.8333, 13.3059,  
1.7370


 25.8333, 13.3059,  
1.7370

274.2345,  
212.8689, 118.1492


 16.8310, 7.6395,  
0.3859


 52.4391, 31.8523,  
8.3085


 10.2086, 3.8652,  
0.0000


 70.7733, 45.5010,  
14.4738

 5.6008, 1.5984,  
0.0000

 92.9489, 62.5794,  
23.1170

 2.6422, 0.3565,  
0.0000

 119.3312, 83.4718,  
34.6566


 0.9675, 0.0000,  
0.0000


 150.2856,  
108.5625, 49.5110


 0.0000, 0.0000,  
0.0000


 186.1773,


138.2360, 68.0989


 227.3719,  
172.8767, 90.8388


 25.8333, 13.3059,  
1.7370


 25.8333, 13.3059,  
1.7370


 25.8327, 13.3056,  
1.7353

 26.3139, 13.9197,  
2.9692

 27.2301, 15.1581,  
5.1061

 28.6989, 17.2210,  
8.2921

 30.7899, 20.2189,  
12.6396

 33.5624, 24.2451,  
18.2461

■ 37.0688, 29.3817,  
25.1991

■ 41.3564, 35.7025,  
33.5780

■ 46.4684, 43.2749,  
43.4563

■ 52.4449, 52.1614,  
54.9022

# Harmonies

## Analogous

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



30.0351, 13.3059, 10.4574



25.8333, 13.3059, 1.7370



18.3171, 13.3059, 0.0000

# Triad

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



25.8333, 13.3059, 1.7370



4.1545, 13.3059, 4.3857



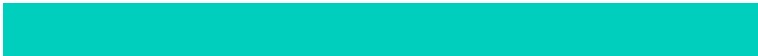
14.2748, 13.3059, 89.5855

# Complementary

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



25.8333, 13.3059, 1.7370



31.6125, 48.3453, 56.4070

# 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.



8.2872, 13.3059, 81.0231



25.8333, 13.3059, 1.7370



3.7329, 13.3059, 19.4400

# Square

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



25.8333, 13.3059, 1.7370



6.4084, 13.3059, 0.4125



4.9438, 13.3059, 49.5748



22.0050, 13.3059, 67.7246



# Rectangle

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



25.8333, 13.3059, 1.7370



13.3213, 13.3059, 0.0000



4.9438, 13.3059, 49.5748



11.9956, 13.3059, 90.3473

# Sweetspot

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



25.8336, 13.3068, 1.7372



65.9924, 56.7931, 53.2539



32.4365, 15.4213, 60.2980



13.4683, 11.1866, 10.1189



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.



25.8336, 13.3068, 1.7372



41.3743, 21.3137, 2.6374



29.0821, 19.9652, 2.3222



11.8475, 11.8237, 12.4727



16.2902, 8.3889, 1.1686



0.9248, 0.4746, 0.1388



# Inverse Universe

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



25.8336, 13.3068, 1.7372



41.3743, 21.3137, 2.6374



18.0723, 18.1239, 61.5767



11.8475, 11.8237, 12.4727



16.2902, 8.3889, 1.1686



0.9248, 0.4746, 0.1388



# Previews

## White Background



This preview shows how the XYZ color 25.8333, 13.3059, 1.7370 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 25.8333, 13.3059, 1.7370 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 25.8333, 13.3059, 1.7370**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8333, 13.3059, 1.7370.



This preview shows how white text looks on a background with the XYZ color 25.8333, 13.3059,



# 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

25.8333, 13.3059, 1.7370

### Protanopia

12.6911, 14.0064, 3.6247

### Deuteranopia

13.9776, 13.8292, 1.9326



## Tritanopia

25.6865, 13.5876, 1.2688

# Trichromacy



## Original Color

25.8333, 13.3059, 1.7370

## Protanomaly

14.7944, 10.5822, 2.3614

## Deuteranomaly

16.1085, 10.9391, 1.4347

## Tritanomaly

25.6179, 13.3979, 1.4081

# Monochromacy



## Original Color

25.8333, 13.3059, 1.7370

## Achromatopsia

4.8732, 5.1269, 5.5832

## Achromatomaly

8.5085, 5.5041, 3.3033

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8333, 13.3059, 1.7370 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(207, 0, 17)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 17)  
}
```

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(207, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 17) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8333, 13.3059, 1.7370 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(207, 0, 17) }
```



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

```
.border{ border-color:rgb(207, 0, 17) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 17)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 25.8333, 13.3059, 1.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 17) }
```

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

```
.background{ background-color: rgb(207, 0,  
17) }
```

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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