

# Converting Colors

XYZ(50.0597, 57.7113, 22.5518)

Have a look what the booklet for  
XYZ(50.0597, 57.7113, 22.5518)  
contains.

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# Color

**XYZ(50.0318, 57.5338,  
22.6555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFCC6C
RGB	207, 204, 108
RGB Percent	81%, 80%, 42%
CMY	0.1882, 0.2000, 0.5765
CMYK	0.00, 0.01, 0.48, 0.19
HSL	58°, 51%, 62%
HSV	58°, 48%, 81%
XYZ	50.0318, 57.5338, 22.6555
YIQ	193.9530, 32.6040, -29.2200

# Conversions

## Conversions Part 2

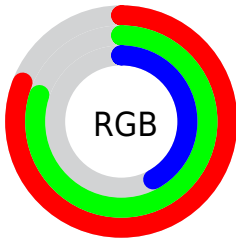
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 207, 108
Decimal	13618284
CIELab	80.48, -12.14, 47.83
CIElCh	80, 49.347, 104.247
Yxy	57.5338, 0.3842, 0.4418
Android (android.graphics.Color)	4291808364 (0xFFCFCC6C)
YUV	193.9530, -42.3748, 11.4422
Hunter-Lab	75.8510, -14.9996, 35.3867

# Details

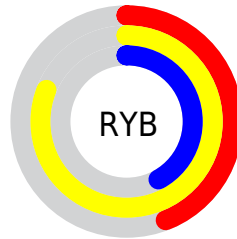
The XYZ color **50.0318, 57.5338, 22.6555** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.1313, 19.0616, 61.4916**, and the grayscale version is **51.4809, 54.1620, 58.9824**.

A 20% lighter version of the original color is **83.4330, 95.3532, 47.7258**, and **24.4074, 28.6874, 8.1217** is the 20% darker color. If you saturate the color by 10%, you get **48.9104, 56.8497, 17.4770**, and if you desaturate by 10%, it is **51.4181, 58.3290, 29.2140**.

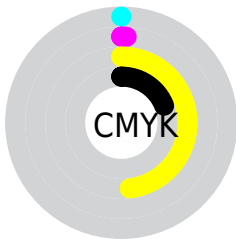
# Distribution



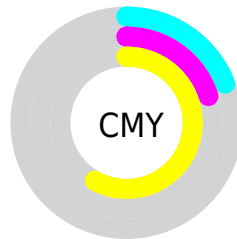
- Red (81%)
- Green (80%)
- Blue (42%)



- Red (44%)
- Yellow (81%)
- Blue (42%)



- Cyan (0%)
- Magenta (1%)
- Yellow (48%)
- Black (19%)



- Cyan (19%)
- Magenta (20%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0318, 57.5338, 22.6555 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 50.0318, 57.5338, 22.6555 by changing the saturation by 10% instead.



■ 50.0318, 57.5338,  
22.6555

■ 50.0318, 57.5338,  
22.6555

377.2402,  
415.4465, 279.0149

■ 35.6566, 41.4340,  
14.1364

■ 89.4135, 101.2437,  
48.7430

■ 24.3380, 28.6583,  
8.0758

■ 115.1507,  
129.6225, 67.1486

■ 15.7106, 18.8225,  
4.0550

■ 145.4060,  
162.8631, 89.6867

■ 9.4091, 11.5421,  
1.6556

■ 180.5446,  
201.3498, 116.7760

■ 5.0682, 6.4327,  
0.3300

220.9320,  
245.4672, 148.8349

■ 2.3225, 3.1099,  
0.0000

266.9335,

■ 0.8062, 1.1894,

295.5995, 186.2820

0.0000

318.9145,  
352.1311, 229.5358

■ 0.0000, 0.0530,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.0318, 57.5338,  
22.6555

■ 50.0318, 57.5338,  
22.6555

■ 48.9104, 56.8497,  
17.4770

■ 51.4181, 58.3290,  
29.2140

■ 48.0310, 56.2612,  
13.5759


■ 53.0822, 59.2343,  
37.2382


■ 47.3737, 55.7625,  
10.8411


■ 55.0409, 60.2583,  
46.8112


■ 46.9133, 55.3436,  
9.1410


■ 57.3087, 61.4069,  
58.0086


 46.6142, 54.9901,  
8.2866


 59.8990, 62.6855,  
70.9014

 46.5578, 54.9168,  
8.1461

 62.8244, 64.0991,  
85.5561

 66.0970, 65.6525,  
102.0357

 66.5862, 66.0936,  
103.8556

 66.7402, 66.4015,  
103.9069

# Harmonies

## Analogous

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



60.1414, 57.5338, 22.8486



50.0318, 57.5338, 22.6555



42.1946, 57.5338, 30.5929

# Triad

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



50.0318, 57.5338, 22.6555



41.8909, 57.5338, 110.1538



75.6413, 57.5338, 79.0325

# Complementary

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



50.0318, 57.5338, 22.6555



23.1313, 19.0616, 61.4916

# 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.



69.4231, 57.5338, 111.6702



50.0318, 57.5338, 22.6555



49.5675, 57.5338, 133.0812

# Square

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



50.0318, 57.5338, 22.6555



37.9027, 57.5338, 77.3914



59.6163, 57.5338, 133.7089



75.8058, 57.5338, 49.9011



# Rectangle

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



50.0318, 57.5338, 22.6555



38.9578, 57.5338, 41.4088



59.6163, 57.5338, 133.7089



74.1584, 57.5338, 90.1250

# Sweetspot

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



50.0332, 57.5364, 22.6567



89.4822, 97.2232, 81.2748



33.9809, 25.1454, 18.1890



18.9888, 20.7260, 16.5877



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.



50.0332, 57.5364, 22.6567



78.4088, 91.1249, 28.1084



39.6777, 53.2649, 22.3780



12.7715, 13.7337, 12.5898



29.3467, 34.6264, 5.1368



1.6507, 1.9558, 0.2905



# Inverse Universe

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



23.1313, 19.0616, 61.4916



30.4595, 22.5578, 97.3564



29.9901, 22.1205, 61.7205



11.1919, 11.4741, 14.8685



7.1511, 2.9489, 37.3848



0.4102, 0.1855, 2.0938



# Previews

## White Background



This preview shows how the XYZ color 50.0318, 57.5338, 22.6555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 50.0318, 57.5338, 22.6555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

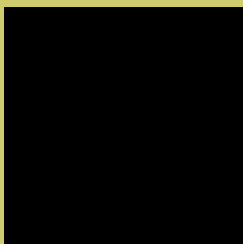
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

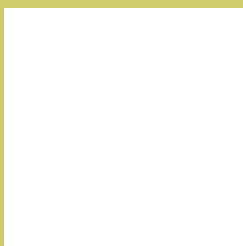
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.0318, 57.5338, 22.6555**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.0318, 57.5338, 22.6555.



This preview shows how white text looks on a background with the XYZ color 50.0318, 57.5338,



# 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

50.0318, 57.5338, 22.6555

### Protanopia

52.8233, 57.5857, 22.2410

### Deuteranopia

58.5909, 57.2077, 22.9930



## Tritanopia

59.3686, 57.5994, 67.6632

# Trichromacy



## Original Color

50.0318, 57.5338, 22.6555

## Protanomaly

51.5648, 57.2819, 22.2487

## Deuteranomaly

55.2846, 57.1449, 22.8681

## Tritanomaly

55.1442, 57.2072, 47.1654

# Monochromacy



## Original Color

50.0318, 57.5338, 22.6555

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

50.3581, 55.1746, 42.6459

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0318, 57.5338, 22.6555 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, 204, 108)` looks like.

```
.text, #text, p{  
    color:rgb(207, 204, 108)  
}
```

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, 204, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 204, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0318, 57.5338, 22.6555 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, 204, 108) }
```



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

```
.border{ border-color:rgb(207, 204, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 204, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 204, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 204, 108);  
box-shadow:4px 4px 4px 4px rgb(207, 204,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0318, 57.5338, 22.6555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 204, 108) }
```

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

```
.background{ background-color: rgb(207,  
204, 108) }
```

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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