

# Converting Colors

XYZ(48.8680, 57.4498, 15.3508)

Have a look what the booklet for  
XYZ(48.8680, 57.4498, 15.3508)  
contains.

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# Color

**XYZ(48.8680, 57.4498,  
15.3508)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFCD4C
RGB	207, 205, 76
RGB Percent	81%, 80%, 30%
CMY	0.1882, 0.1961, 0.7019
CMYK	0.00, 0.01, 0.63, 0.19
HSL	59°, 58%, 55%
HSV	59°, 63%, 81%
XYZ	48.8680, 57.4498, 15.3508
YIQ	190.8920, 42.6010, -39.6950

# Conversions

## Conversions Part 2

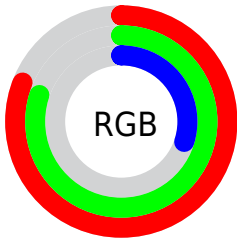
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 207, 76
Decimal	13618508
CIELab	80.43, -15.10, 62.17
CIELCh	80, 63.976, 103.649
Yxy	57.4498, 0.4016, 0.4722
Android (android.graphics.Color)	4291808588 (0xFFCFCD4C)
YUV	190.8920, -56.6418, 14.1267
Hunter-Lab	75.7956, -17.5574, 41.0490

# Details

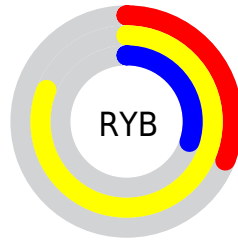
The XYZ color **48.8680, 57.4498, 15.3508** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **16.9676, 11.4902, 60.3549**, and the grayscale version is **49.7607, 52.3522, 57.0115**.

A 20% lighter version of the original color is **81.0967, 94.4187, 35.4231**, and **23.7047, 28.6414, 4.5956** is the 20% darker color. If you saturate the color by 10%, you get **48.1863, 57.0587, 12.1265**, and if you desaturate by 10%, it is **49.7841, 57.9391, 19.7965**.

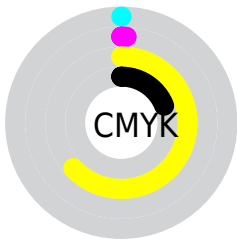
# Distribution



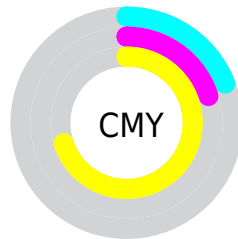
- Red (81%)
- Green (80%)
- Blue (30%)



- Red (31%)
- Yellow (81%)
- Blue (30%)



- Cyan (0%)
- Magenta (1%)
- Yellow (63%)
- Black (19%)



- Cyan (19%)
- Magenta (20%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8680, 57.4498, 15.3508 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 48.8680, 57.4498, 15.3508 by changing the saturation by 10% instead.



■ 48.8680, 57.4498,  
15.3508

■ 48.8680, 57.4498,  
15.3508

372.7480,  
415.1326, 237.1933

■ 34.7289, 41.3665,  
8.9166

■ 87.6973, 101.1212,  
36.2184

■ 23.6196, 28.6056,  
4.5908

■ 113.1181,  
129.4781, 51.4889

■ 15.1749, 18.7826,  
1.9547

■ 143.0303,  
162.6949, 70.5418

■ 9.0294, 11.5133,  
0.5272

■ 177.7991,  
201.1562, 93.7959

■ 4.8176, 6.4132,  
0.0000

■ 217.7900,  
245.2461, 121.6695

■ 2.1743, 3.0979,  
0.0000

263.3681,

■ 0.7291, 1.1831,

295.3493, 154.5812

0.0000

314.8990,  
351.8500, 192.9497

■ 0.0000, 0.0478,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.8680, 57.4498,  
15.3508

■ 48.8680, 57.4498,  
15.3508

■ 48.1863, 57.0587,  
12.1265

■ 49.7841, 57.9391,  
19.7965

■ 47.7117, 56.7487,  
9.9984

■ 50.9505, 58.5267,  
25.5659

■ 47.4178, 56.5111,  
8.8206

■ 52.3865, 59.2223,  
32.7543

■ 47.2889, 56.3790,  
8.3898

■ 54.1085, 60.0326,  
41.4474

■ 56.1313, 60.9634,  
51.7243

■ 58.4690, 62.0205,  
63.6582

■ 61.1345, 63.2089,  
77.3180

■ 64.1403, 64.5337,  
92.7686

■ 66.2994, 65.5200,  
103.7600

# Harmonies

## Analogous

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



62.0143, 57.4498, 15.6988



48.8680, 57.4498, 15.3508



38.9844, 57.4498, 23.5012

# Triad

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



48.8680, 57.4498, 15.3508



38.3168, 57.4498, 126.8049



82.5472, 57.4498, 85.1628

# Complementary

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



48.8680, 57.4498, 15.3508



16.9676, 11.4902, 60.3549

# 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.



73.9221, 57.4498, 130.7000



48.8680, 57.4498, 15.3508



47.8094, 57.4498, 160.5743

# Square

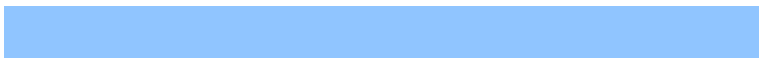
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.8680, 57.4498, 15.3508



33.5849, 57.4498, 81.1869



60.7728, 57.4498, 162.2319



82.9531, 57.4498, 47.0137



# Rectangle

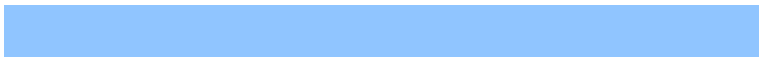
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.8680, 57.4498, 15.3508



34.9836, 57.4498, 35.6643



60.7728, 57.4498, 162.2319



80.4574, 57.4498, 100.3902

# Sweetspot

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



48.8693, 57.4525, 15.3520



87.9727, 96.7933, 72.7898



29.6987, 18.9876, 9.3427



18.6362, 20.6282, 14.5981



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.



48.8693, 57.4525, 15.3520



76.9136, 91.2510, 18.0026



35.0641, 51.0484, 14.8435



12.7874, 13.7654, 12.5951



29.8010, 35.5350, 5.2883



1.6713, 1.9970, 0.2974



# Inverse Universe

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



16.9676, 11.4902, 60.3549



21.8287, 11.9023, 95.7546



24.5479, 15.1909, 60.6697



11.1779, 11.4461, 14.8638



7.1237, 2.8940, 37.3756



0.4035, 0.1722, 2.0915



# Previews

## White Background



This preview shows how the XYZ color 48.8680, 57.4498, 15.3508 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 48.8680, 57.4498, 15.3508 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

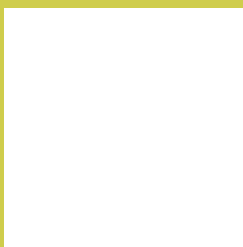
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.8680, 57.4498, 15.3508**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.8680, 57.4498, 15.3508.



This preview shows how white text looks on a background with the XYZ color 48.8680, 57.4498,



# 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

48.8680, 57.4498, 15.3508

### Protanopia

52.3557, 57.5045, 14.9967

### Deuteranopia

58.6101, 57.3775, 15.7705



## Tritanopia

59.3255, 57.2643, 66.9578

# Trichromacy



## Original Color

48.8680, 57.4498, 15.3508

## Protanomaly

51.0058, 57.5008, 15.0671

## Deuteranomaly

54.5307, 56.9184, 15.5094

## Tritanomaly

54.2486, 56.8828, 40.9212

# Monochromacy



## Original Color

48.8680, 57.4498, 15.3508

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

48.1907, 53.5201, 36.2243

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.8680, 57.4498, 15.3508 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, 205, 76)` looks like.

```
.text, #text, p{  
    color:rgb(207, 205, 76)  
}
```

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, 205, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 205, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 48.8680, 57.4498, 15.3508 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, 205, 76) }
```



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

```
.border{ border-color:rgb(207, 205, 76) }
```

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

Here you see how a box with a 4 pixel rgb(207, 205, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 205, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 205, 76);  
box-shadow:4px 4px 4px 4px rgb(207, 205,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.8680, 57.4498, 15.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 205, 76) }
```

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

```
.background{ background-color: rgb(207,  
205, 76) }
```

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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