

# Converting Colors

XYZ(50.5977, 58.3646, 13.4966)

Have a look what the booklet for  
XYZ(50.5977, 58.3646, 13.4966)  
contains.

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# Color

**XYZ(50.4883, 58.3290,  
13.4481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6CD40
RGB	214, 205, 64
RGB Percent	84%, 80%, 25%
CMY	0.1608, 0.1961, 0.7490
CMYK	0.00, 0.04, 0.70, 0.16
HSL	56°, 65%, 55%
HSV	56°, 70%, 84%
XYZ	50.4883, 58.3290, 13.4481
YIQ	191.6170, 50.6250, -41.9430

# Conversions

## Conversions Part 2

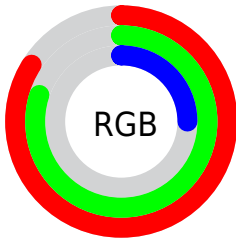
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 214, 64
Decimal	14077248
CIELab	80.92, -12.83, 67.50
CIELCh	81, 68.713, 100.759
Yxy	58.3290, 0.4129, 0.4771
Android (android.graphics.Color)	4292267328 (0xFFD6CD40)
YUV	191.6170, -62.9152, 19.6299
Hunter-Lab	76.3734, -15.6522, 43.0214

# Details

The XYZ color **50.4883, 58.3290, 13.4481** 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 **16.6346, 10.7100, 64.8084**, and the grayscale version is **50.2155, 52.8306, 57.5325**.

A 20% lighter version of the original color is **80.3902, 94.1361, 31.7024**, and **24.7769, 29.2011, 4.3305** is the 20% darker color. If you saturate the color by 10%, you get **49.6872, 57.5217, 10.7317**, and if you desaturate by 10%, it is **51.5281, 59.2403, 17.3976**.

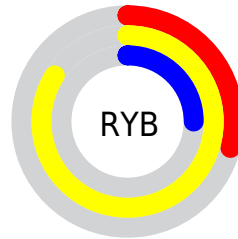
# Distribution



Red (84%)

Green (80%)

Blue (25%)



Red (29%)

Yellow (84%)

Blue (25%)

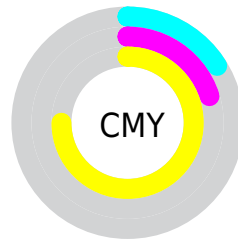


Cyan (0%)

Magenta (4%)

Yellow (70%)

Black (16%)



Cyan (16%)

Magenta (20%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4883, 58.3290, 13.4481 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 50.4883, 58.3290, 13.4481 by changing the saturation by 10% instead.



50.4883, 58.3290,  
13.4481

50.4883, 58.3290,  
13.4481

378.9929,  
418.4107, 225.0776

36.0209, 42.0732,  
7.6035

90.0854, 102.4018,  
32.8094

24.6205, 29.1586,  
3.7582

115.9459,  
130.9876, 47.1632

15.9218, 19.2008,  
1.4936

146.3348,  
164.4522, 65.1904

9.5593, 11.8155,  
0.2132

181.6175,  
203.1800, 87.3097

5.1678, 6.6182,  
0.0000

222.1593,  
247.5553, 113.9395

2.3818, 3.2245,  
0.0000

268.3255,

0.8360, 1.2500,

297.9626, 145.4984

0.0000

320.4816,  
354.7863, 182.4049

■ 0.0000, 0.1020,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.4883, 58.3290,  
13.4481

■ 50.4883, 58.3290,  
13.4481

■ 49.6872, 57.5217,  
10.7317

■ 51.5281, 59.2403,  
17.3976

■ 49.0925, 56.7987,  
9.0953

■ 52.8266, 60.2569,  
22.7026

■ 48.6573, 56.1478,  
8.2731

■ 54.4061, 61.3899,  
29.4747

■ 56.2853, 62.6468,  
37.8130

■ 58.4816, 64.0347,  
47.8080

■ 61.0107, 65.5598,  
59.5432

■ 63.8874, 67.2280,  
73.0965

■ 67.1257, 69.0449,  
88.5413

■ 70.4794, 70.9120,  
104.5805

# Harmonies

## Analogous

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



64.9522, 58.3290, 14.5419



50.4883, 58.3290, 13.4481



39.4291, 58.3290, 20.7314

# Triad

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



50.4883, 58.3290, 13.4481



37.1933, 58.3290, 129.6211



85.4862, 58.3290, 92.9845

# Complementary

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



50.4883, 58.3290, 13.4481



16.6346, 10.7100, 64.8084

# 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.



75.2867, 58.3290, 143.2557



50.4883, 58.3290, 13.4481



46.9050, 58.3290, 169.9120

# Square

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



50.4883, 58.3290, 13.4481



32.6737, 58.3290, 79.2875



60.7052, 58.3290, 175.7572



86.8914, 58.3290, 49.9787



# Rectangle

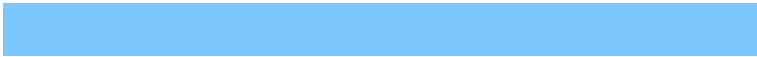
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.4883, 58.3290, 13.4481



34.8318, 58.3290, 32.4126



60.7052, 58.3290, 175.7572



82.8997, 58.3290, 109.9820

# Sweetspot

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



50.4896, 58.3317, 13.4493



86.5799, 94.9868, 69.3073



30.8012, 18.4579, 8.4187



18.3295, 20.2049, 13.9099



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.



50.4896, 58.3317, 13.4493



73.4356, 85.0164, 14.6189



37.3667, 54.8527, 13.4694



13.4061, 14.3864, 13.2310



29.4381, 33.9934, 5.0098



1.7953, 2.0899, 0.3088



# Inverse Universe

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



16.6346, 10.7100, 64.8084



20.2591, 10.2925, 95.5266



23.0248, 13.1897, 64.9502



11.8018, 12.1270, 15.6562



7.4476, 3.1569, 38.6700



0.4707, 0.2334, 2.3396



# Previews

## White Background



This preview shows how the XYZ color 50.4883, 58.3290, 13.4481 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

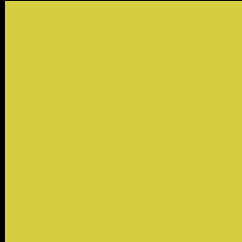
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.4883, 58.3290, 13.4481 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 50.4883, 58.3290, 13.4481**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.4883, 58.3290, 13.4481.



This preview shows how white text looks on a background with the XYZ color 50.4883, 58.3290,



# 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

50.4883, 58.3290, 13.4481

### Protanopia

52.8352, 58.1397, 13.1400

### Deuteranopia

59.4886, 58.2005, 13.7287



## Tritanopia

61.3542, 58.3243, 66.4165

# Trichromacy



## Original Color

50.4883, 58.3290, 13.4481

## Protanomaly

51.8365, 57.9721, 13.1603

## Deuteranomaly

56.0129, 58.0622, 13.5651

## Tritanomaly

55.9232, 57.7952, 38.7800

# Monochromacy



## Original Color

50.4883, 58.3290, 13.4481

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

48.8965, 54.2562, 34.6834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.4883, 58.3290, 13.4481 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(214, 205, 64)` looks like.

```
.text, #text, p{  
    color:rgb(214, 205, 64)  
}
```

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(214, 205, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 205, 64) }
```

## Border

The CSS property to change the border of an element to XYZ 50.4883, 58.3290, 13.4481 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(214, 205, 64) }
```



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

```
.border{ border-color:rgb(214, 205, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 205, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 205, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 205, 64);  
box-shadow:4px 4px 4px 4px rgb(214, 205,  
64) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.4883, 58.3290, 13.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 205, 64) }
```

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

```
.background{ background-color: rgb(214,  
205, 64) }
```

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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