

# Converting Colors

XYZ(57.8443, 68.4154, 18.5342)

Have a look what the booklet for  
XYZ(57.8443, 68.4154, 18.5342)  
contains.

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# Color

**XYZ(57.8457, 68.4122,  
18.5436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDE54
RGB	222, 222, 84
RGB Percent	87%, 87%, 33%
CMY	0.1294, 0.1294, 0.6706
CMYK	0.00, 0.00, 0.62, 0.13
HSL	60°, 68%, 60%
HSV	60°, 62%, 87%
XYZ	57.8457, 68.4122, 18.5436
YIQ	206.2680, 44.2980, -42.9180

# Conversions

## Conversions Part 2

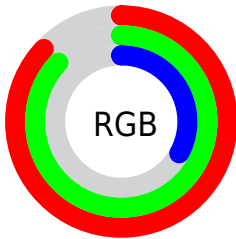
Format	Color
R <sub>YB</sub>	84, 222, 84
Decimal	14605908
CIE <sub>Lab</sub>	86.21, -16.85, 65.37
CIE <sub>LCh</sub>	86, 67.504, 104.453
Y <sub>xy</sub>	68.4122, 0.3995, 0.4725
Android (android.graphics.Color)	4292795988 (0xFFDEDE54)
Y <sub>UV</sub>	206.2680, -60.2781, 13.7970
Hunter-Lab	82.7117, -19.9086, 44.6056

# Details

The XYZ color **57.8457, 68.4122, 18.5436** 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 **20.0134, 13.5009, 70.6625**, and the grayscale version is **59.1940, 62.2767, 67.8194**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **29.2734, 35.5879, 6.0853** is the 20% darker color. If you saturate the color by 10%, you get **57.1107, 68.1207, 14.6678**, and if you desaturate by 10%, it is **58.8594, 68.8202, 23.8730**.

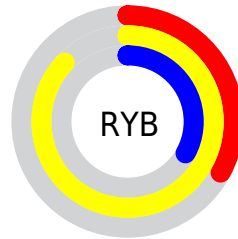
# Distribution



Red (87%)

Green (87%)

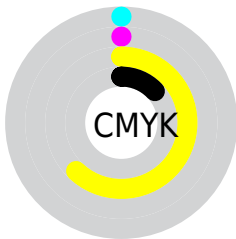
Blue (33%)



Red (33%)

Yellow (87%)

Blue (33%)

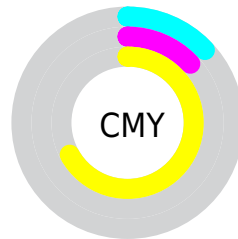


Cyan (0%)

Magenta (0%)

Yellow (62%)

Black (13%)



Cyan (13%)

Magenta (13%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8457, 68.4122, 18.5436 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 57.8457, 68.4122, 18.5436 by changing the saturation by 10% instead.



■ 57.8457, 68.4122,  
18.5436

■ 57.8457, 68.4122,  
18.5436

406.5739,  
454.9551, 256.2557

■ 41.9274, 50.2332,  
11.1675

■ 100.8224,  
116.9416, 41.7878

■ 29.2353, 35.5987,  
6.0640

■ 128.6115,  
148.0608, 58.4930

■ 19.4041, 24.1244,  
2.8146

■ 161.0882,  
184.2621, 79.1450

■ 12.0683, 15.4259,  
1.0008

■ 198.6179,  
225.9300, 104.1623

■ 6.8628, 9.1189,  
0.0000

241.5660,  
273.4489, 133.9635

■ 3.4220, 4.8188,  
0.0000

290.2978,

■ 1.3807, 2.1413,

327.2031, 168.9671

0.0000

345.1786,  
387.5770, 209.5916

■ 0.2424, 0.6877,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.8457, 68.4122,  
18.5436

■ 57.8457, 68.4122,  
18.5436

■ 57.1107, 68.1207,  
14.6678

■ 58.8594, 68.8202,  
23.8730

■ 56.6225, 67.9254,  
12.0989

■ 60.1706, 69.3447,  
30.7759

■ 56.3503, 67.8165,  
10.6669

■ 61.8018, 69.9973,  
39.3642

■ 56.2457, 67.7746,  
10.1173

■ 63.7723, 70.7855,  
49.7390

■ 66.0996, 71.7165,  
61.9929

■ 68.8002, 72.7968,  
76.2125

■ 71.8895, 74.0325,  
92.4788

■ 74.2994, 74.9965,  
105.1675

■ 74.2997, 74.9967,  
105.1675

# Harmonies

## Analogous

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



73.3685, 68.4122, 18.7116



57.8457, 68.4122, 18.5436



46.2577, 68.4122, 28.5708

# Triad

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



57.8457, 68.4122, 18.5436



45.9367, 68.4122, 151.9554



98.2786, 68.4122, 99.8690

# Complementary

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



57.8457, 68.4122, 18.5436



20.0134, 13.5009, 70.6625

# 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.



88.2819, 68.4122, 153.8230



57.8457, 68.4122, 18.5436



57.3370, 68.4122, 191.1334

# Square

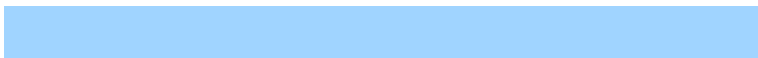
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.8457, 68.4122, 18.5436



40.1627, 68.4122, 97.9607



72.7723, 68.4122, 191.9278



98.4734, 68.4122, 55.1027



# Rectangle

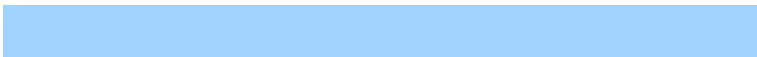
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.8457, 68.4122, 18.5436



41.6132, 68.4122, 43.3363



72.7723, 68.4122, 191.9278



95.8900, 68.4122, 117.8385

# Sweetspot

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



57.8473, 68.4154, 18.5450



88.2067, 97.2626, 72.8680



34.8971, 22.5120, 10.8944



18.6938, 20.7438, 14.6173



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.



57.8473, 68.4154, 18.5450



77.9150, 93.1456, 18.6856



40.8611, 59.6587, 17.7501



14.8718, 16.0296, 14.6170



33.4069, 40.2544, 6.0091



2.3156, 2.7902, 0.4165



# Inverse Universe

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



20.0134, 13.5009, 70.6625



21.9680, 11.9406, 95.7547



29.4941, 18.3884, 71.1062



12.9522, 13.2434, 17.2613



7.8316, 3.1327, 41.2403

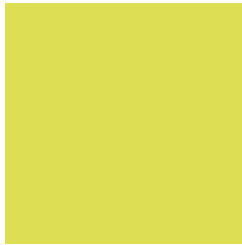


0.5429, 0.2171, 2.8585



# Previews

## White Background



This preview shows how the XYZ color 57.8457, 68.4122, 18.5436 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

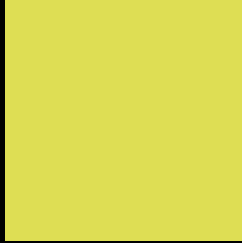
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.8457, 68.4122, 18.5436 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 57.8457, 68.4122, 18.5436**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8457, 68.4122, 18.5436.



This preview shows how white text looks on a background with the XYZ color 57.8457, 68.4122,



# 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

57.8457, 68.4122, 18.5436

### Protanopia

62.0140, 68.2462, 17.8870

### Deuteranopia

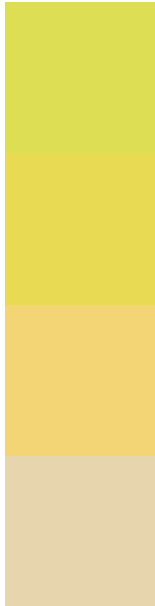
68.3833, 68.2067, 33.6058



## Tritanopia

70.2714, 68.1557, 79.9727

# Trichromacy



## Original Color

57.8457, 68.4122, 18.5436

## Protanomaly

60.2370, 68.0910, 18.1517

## Deuteranomaly

64.0264, 67.9512, 26.8809

## Tritanomaly

63.9702, 67.4286, 49.1786

# Monochromacy



## Original Color

57.8457, 68.4122, 18.5436

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

57.2164, 63.6927, 43.4607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8457, 68.4122, 18.5436 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(222, 222, 84)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 84)  
}
```

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(222, 222, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 84) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8457, 68.4122, 18.5436 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(222, 222, 84) }
```



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

```
.border{ border-color:rgb(222, 222, 84) }
```

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

Here you see how a box with a 4 pixel rgb(222, 222, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 84);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
84) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8457, 68.4122, 18.5436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 84) }
```

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

```
.background{ background-color: rgb(222,  
222, 84) }
```

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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