

# Converting Colors

XYZ(56.3967, 57.5767, 14.2719)

Have a look what the booklet for  
XYZ(56.3967, 57.5767, 14.2719)  
contains.

**XYZ(56.3967, 57.5767, 14.2719)** ..... 3

***Conversions*** ..... 4

***Details*** ..... 6

***Harmonies*** ..... 12

***Previews*** ..... 24

***Color Blindness Simulation*** ..... 28

***CSS Examples*** ..... 31

# **Color**

**XYZ(56.3967, 57.5767,  
14.2719)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0C248
RGB	240, 194, 72
RGB Percent	94%, 76%, 28%
CMY	0.0588, 0.2392, 0.7176
CMYK	0.00, 0.19, 0.70, 0.06
HSL	44°, 85%, 61%
HSV	44°, 70%, 94%
XYZ	56.3967, 57.5767, 14.2719
YIQ	193.8460, 66.5780, -28.1900

# Conversions

## Conversions Part 2

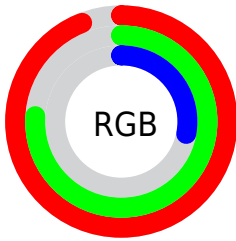
Format	Color
<a href="#">RYB</a>	<a href="#">135, 240, 72</a>
Decimal	<a href="#">15778376</a>
CIELab	<a href="#">80.50, 4.19, 64.79</a>
CIELCh	<a href="#">81, 64.925, 86.297</a>
Yxy	<a href="#">57.5767, 0.4398, 0.4490</a>
Android (android.graphics.Color)	<a href="#">4293968456 (0xFFFF0C248)</a>
YUV	<a href="#">193.8460, -60.0701, 40.4771</a>
Hunter-Lab	<a href="#">75.8793, -0.1201, 41.9638</a>

# Details

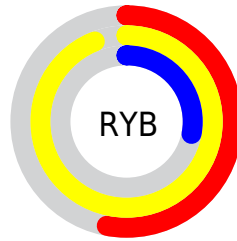
The XYZ color **56.3967, 57.5767, 14.2719** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed yellow. A complement of this color would be **24.8790, 20.6253, 85.1075**, and the grayscale version is **51.5050, 54.1873, 59.0099**.

A 20% lighter version of the original color is **79.2564, 91.1635, 33.4977**, and **28.3582, 28.7574, 4.1135** is the 20% darker color. If you saturate the color by 10%, you get **54.3315, 54.4644, 10.4458**, and if you desaturate by 10%, it is **58.8347, 60.9461, 19.7301**.

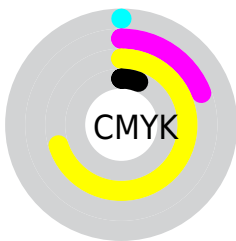
# Distribution



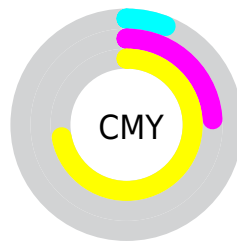
- Red (94%)
- Green (76%)
- Blue (28%)



- Red (53%)
- Yellow (94%)
- Blue (28%)



- Cyan (0%)
- Magenta (19%)
- Yellow (70%)
- Black (6%)




- Cyan (6%)
- Magenta (24%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3967, 57.5767, 14.2719 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 56.3967, 57.5767, 14.2719 by changing the saturation by 10% instead.





 56.3967, 57.5767,  
14.2719


 56.3967, 57.5767,  
14.2719


401.2356,  
415.6068, 230.4028

 40.7593, 41.4684,  
8.1691


 98.7208, 101.3062,  
34.2947


 28.3179, 28.6853,  
4.1140


 126.1382,  
129.6962, 49.0519


 18.7071, 18.8429,  
1.6881


 158.2131,  
162.9489, 67.5309

 11.5616, 11.5568,  
0.3526

 195.3107,  
201.4487, 90.1503

 6.5160, 6.4427,  
0.0000

 237.7964,  
245.5800, 117.3286

 3.2049, 3.1161,  
0.0000

286.0355,

 1.2630, 1.1926,

295.7272, 149.4845

0.0000

340.3935,  
352.2746, 187.0363

■ 0.1553, 0.0557,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.3967, 57.5767,  
14.2719

■ 56.3967, 57.5767,  
14.2719

■ 54.3315, 54.4644,  
10.4458

■ 58.8347, 60.9461,  
19.7301

■ 52.5964, 51.5841,  
8.0490


■ 61.6740, 64.5785,  
26.9849


■ 51.1280, 48.9112,  
6.7462


■ 64.9446, 68.4895,  
36.1839


■ 51.1278, 48.9108,  
6.7460


■ 68.6723, 72.6906,  
47.4589

 72.8805, 77.1924,  
60.9297

 77.5909, 82.0048,  
76.7073

 82.8240, 87.1372,  
94.8948

 87.1148, 92.0047,  
107.7750

 89.1551, 96.0853,  
108.4551

# Harmonies

## Analogous

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



70.2112, 57.5767, 19.3124



56.3967, 57.5767, 14.2719



44.1393, 57.5767, 17.2301

# Triad

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



56.3967, 57.5767, 14.2719



34.8164, 57.5767, 101.1486



78.9312, 57.5767, 112.8677

# Complementary

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



56.3967, 57.5767, 14.2719



24.8790, 20.6253, 85.1075

# 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.



66.8806, 57.5767, 154.1856



56.3967, 57.5767, 14.2719



41.7017, 57.5767, 145.7095

# Square

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



56.3967, 57.5767, 14.2719



32.9294, 57.5767, 58.0698



53.0865, 57.5767, 168.1461



84.4865, 57.5767, 67.5516



# Rectangle

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



56.3967, 57.5767, 14.2719



38.2114, 57.5767, 24.4274



53.0865, 57.5767, 168.1461



75.4192, 57.5767, 128.2963

# Sweetspot

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



56.3980, 57.5795, 14.2730



83.0957, 88.0184, 68.1459



41.6187, 24.5069, 20.1799



17.4910, 18.5279, 13.6304



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.



56.3980, 57.5795, 14.2730



61.4574, 61.0599, 10.6262



57.1222, 75.5688, 17.7071



16.7357, 17.6845, 16.6811



28.1049, 27.0079, 3.7318



2.4205, 2.4117, 0.3379



# Inverse Universe

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



24.8790, 20.6253, 85.1075



23.4604, 16.6951, 96.5937



24.2792, 14.1400, 83.8873



15.2494, 15.9329, 19.9932



9.7618, 5.7479, 45.7228



0.8922, 0.6384, 3.8304



# Previews

## White Background



This preview shows how the XYZ color 56.3967, 57.5767, 14.2719 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 56.3967, 57.5767, 14.2719 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 56.3967, 57.5767, 14.2719**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3967, 57.5767, 14.2719.



This preview shows how white text looks on a background with the XYZ color 56.3967, 57.5767,



# 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

56.3967, 57.5767, 14.2719

### Protanopia

52.3217, 57.4909, 14.8178

### Deuteranopia

58.6830, 57.4477, 14.2989



## Tritanopia

65.7587, 57.5812, 59.8730

# Trichromacy



## Original Color

56.3967, 57.5767, 14.2719

## Protanomaly

53.7098, 57.5272, 14.5764

## Deuteranomaly

57.8394, 57.3355, 14.3217

## Tritanomaly

61.1509, 56.9450, 37.0466

# Monochromacy



## Original Color

56.3967, 57.5767, 14.2719

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

51.6608, 54.6345, 36.6769

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3967, 57.5767, 14.2719 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(240, 194, 72)` looks like.

```
.text, #text, p{  
    color:rgb(240, 194, 72)  
}
```

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(240, 194, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 194, 72) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3967, 57.5767, 14.2719 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(240, 194, 72) }
```



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

```
.border{ border-color:rgb(240, 194, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 194, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 194, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 194, 72);  
box-shadow:4px 4px 4px 4px rgb(240, 194,  
72) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3967, 57.5767, 14.2719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 194, 72) }
```

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

```
.background{ background-color: rgb(240,  
194, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor