

# Converting Colors

XYZ(56.8344, 53.7792, 8.3127)

Have a look what the booklet for  
XYZ(56.8344, 53.7792, 8.3127)  
contains.

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# **Color**

**XYZ(56.8442, 53.8134,  
8.3107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCB519
RGB	252, 181, 25
RGB Percent	99%, 71%, 10%
CMY	0.0118, 0.2902, 0.9019
CMYK	0.00, 0.28, 0.90, 0.01
HSL	41°, 97%, 54%
HSV	41°, 90%, 99%
XYZ	56.8442, 53.8134, 8.3107
YIQ	184.4450, 92.3920, -33.4640

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	128, 252, 25
Decimal	16561433
CIE Lab	78.35, 14.57, 77.84
CIE LCh	78, 79.191, 79.399
Yxy	53.8134, 0.4778, 0.4523
Android (android.graphics.Color)	4294751513 (0xFFFCB519)
YUV	184.4450, -78.6064, 59.2457
Hunter-Lab	73.3576, 9.9423, 44.6334

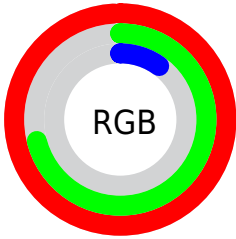
# Details

The XYZ color **56.8442, 53.8134, 8.3107** is a light color, and the websafe version is hex **FFCC33**.

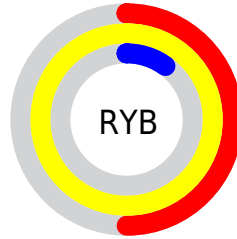
The color can be described as light washed orange. A complement of this color would be **22.1547, 15.6010, 93.9382**, and the grayscale version is **46.1941, 48.5998, 52.9252**.

A 20% lighter version of the original color is **73.4125, 82.5837, 21.9685**, and **28.9544, 26.3855, 3.5668** is the 20% darker color. If you saturate the color by 10%, you get **55.1236, 50.6535, 6.8718**, and if you desaturate by 10%, it is **58.8984, 57.2746, 10.9922**.

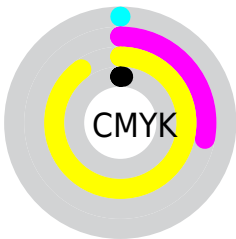
# Distribution



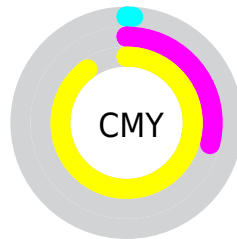
- Red (99%)
- Green (71%)
- Blue (10%)



- Red (50%)
- Yellow (99%)
- Blue (10%)



- Cyan (0%)
- Magenta (28%)
- Yellow (90%)
- Black (1%)




- Cyan (1%)
- Magenta (29%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8442, 53.8134, 8.3107 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 56.8442, 53.8134, 8.3107 by changing the saturation by 10% instead.





 56.8442, 53.8134,  
8.3107

 56.8442, 53.8134,  
8.3107


402.8889,  
401.3980, 188.1737

 41.1198, 38.4525,  
4.2038


 99.3705, 95.8002,  
23.1215

 28.6008, 26.3341,  
1.7378


 126.9031,  
123.1949, 34.6624


 18.9218, 17.0737,  
0.3864


 159.1025,  
155.3697, 49.5184

 11.7175, 10.2871,  
0.0000

 196.3341,  
192.7089, 68.1081

 6.6224, 5.5897,  
0.0000

 238.9631,  
235.5969, 90.8499

 3.2713, 2.5972,  
0.0000

 287.3551,

 1.2988, 0.9253,

284.4182, 118.1624

0.0000

341.8752,  
339.5571, 150.4642

■ 0.1823, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.8442, 53.8134,  
8.3107

■ 56.8442, 53.8134,  
8.3107


■ 55.1236, 50.6535,  
6.8718


■ 58.8984, 57.2746,  
10.9922


■ 61.3426, 61.0369,  
15.2785


■ 64.2224, 65.1232,  
21.3969

■ 67.5750, 69.5504,  
29.5372

 71.4332, 74.3339,  
39.8650

 75.8264, 79.4876,  
52.5290

 80.7817, 85.0243,  
67.6646

 86.3239, 90.9561,  
85.3968

 92.4763, 97.2942,  
105.8423

# Harmonies

## Analogous

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



73.1610, 53.8134, 14.6787



56.8442, 53.8134, 8.3107



41.8522, 53.8134, 9.2693

# Triad

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



56.8442, 53.8134, 8.3107



27.8249, 53.8134, 91.8577



77.3527, 53.8134, 133.7874

# Complementary

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



56.8442, 53.8134, 8.3107



22.1547, 15.6010, 93.9382

# 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.



61.7275, 53.8134, 182.0384



56.8442, 53.8134, 8.3107



34.0633, 53.8134, 150.5348

# Square

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



56.8442, 53.8134, 8.3107



27.0418, 53.8134, 44.2187



45.8457, 53.8134, 189.3677



86.4963, 53.8134, 75.7884



# Rectangle

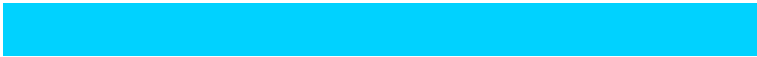
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.8442, 53.8134, 8.3107



34.4310, 53.8134, 14.2246



45.8457, 53.8134, 189.3677



72.5527, 53.8134, 152.7110

# Sweetspot

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



56.8454, 53.8161, 8.3117



79.3901, 83.3541, 58.4427



42.6449, 22.2519, 13.3297



16.6362, 17.4359, 11.4413



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.



56.8454, 53.8161, 8.3117



56.6182, 52.0164, 7.0561



61.6735, 83.4485, 13.7769



18.2427, 19.2212, 18.2110



28.8525, 26.6616, 3.6255



2.7669, 2.6586, 0.3673



# Inverse Universe

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



22.1547, 15.6010, 93.9382



20.9006, 12.9211, 96.0002



20.2074, 8.9039, 92.7482



16.7259, 17.5287, 21.8871



10.7176, 6.7908, 48.7194



1.0830, 0.8096, 4.5424



# Previews

## White Background



This preview shows how the XYZ color 56.8442, 53.8134, 8.3107 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 56.8442, 53.8134, 8.3107 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 56.8442, 53.8134, 8.3107**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8442, 53.8134, 8.3107.



This preview shows how white text looks on a background with the XYZ color 56.8442, 53.8134,



# 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

56.8442, 53.8134, 8.3107

### Protanopia

48.9503, 54.1790, 9.0400

### Deuteranopia

54.9415, 53.7514, 8.2384



## Tritanopia

64.2464, 53.7632, 51.2472

# Trichromacy



## Original Color

56.8442, 53.8134, 8.3107

## Protanomaly

51.5781, 53.8997, 8.7838

## Deuteranomaly

55.7995, 53.8853, 8.2706

## Tritanomaly

59.9047, 53.2114, 26.5156

# Monochromacy



## Original Color

56.8442, 53.8134, 8.3107

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

46.9939, 48.9286, 26.7060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8442, 53.8134, 8.3107 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(252, 181, 25)` looks like.

```
.text, #text, p{  
    color:rgb(252, 181, 25)  
}
```

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(252, 181, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 181, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8442, 53.8134, 8.3107 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(252, 181, 25) }
```



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

```
.border{ border-color:rgb(252, 181, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 181, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 181, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 181, 25);  
box-shadow:4px 4px 4px 4px rgb(252, 181,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8442, 53.8134, 8.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 181, 25) }
```

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

```
.background{ background-color: rgb(252,  
181, 25) }
```

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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