

# Converting Colors

XYZ(52.4973, 67.7648, 12.8352)

Have a look what the booklet for  
XYZ(52.4973, 67.7648, 12.8352)  
contains.

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# Color

**XYZ(52.5713, 67.8241,  
12.8032)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBE32D
RGB	203, 227, 45
RGB Percent	80%, 89%, 18%
CMY	0.2039, 0.1098, 0.8235
CMYK	0.11, 0.00, 0.80, 0.11
HSL	68°, 76%, 53%
HSV	68°, 80%, 89%
XYZ	52.5713, 67.8241, 12.8032
YIQ	199.0760, 44.1180, -61.6900

# Conversions

## Conversions Part 2

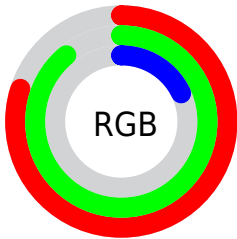
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 227, 69
Decimal	13361965
CIELab	85.92, -28.87, 77.74
CIELCh	86, 82.927, 110.375
Yxy	67.8241, 0.3947, 0.5092
Android (android.graphics.Color)	4291552045 (0xFFCBE32D)
YUV	199.0760, -75.9595, 3.4413
Hunter-Lab	82.3554, -30.1770, 48.4314

# Details

The XYZ color **52.5713, 67.8241, 12.8032** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **17.2600, 8.6896, 73.4447**, and the grayscale version is **54.7662, 57.6183, 62.7463**.

A 20% lighter version of the original color is **79.7068, 93.8627, 28.1037**, and **26.4296, 35.5248, 5.4640** is the 20% darker color. If you saturate the color by 10%, you get **51.4392, 67.2804, 11.0500**, and if you desaturate by 10%, it is **53.9570, 68.4760, 15.7958**.

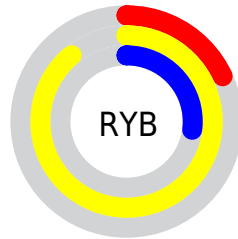
# Distribution



Red (80%)

Green (89%)

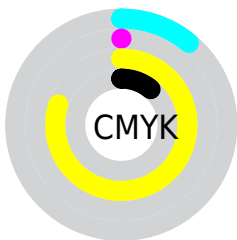
Blue (18%)



Red (18%)

Yellow (89%)

Blue (27%)

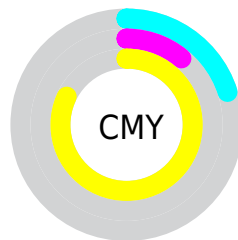


Cyan (11%)

Magenta (0%)

Yellow (80%)

Black (11%)



Cyan (20%)

Magenta (11%)


Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5713, 67.8241, 12.8032 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 52.5713, 67.8241, 12.8032 by changing the saturation by 10% instead.





 52.5713, 67.8241,  
12.8032

 52.5713, 67.8241,  
12.8032


386.9260,  
452.8725, 220.8159

 37.6868, 49.7546,  
7.1640


 93.1425, 116.1005,  
31.6358

 25.9158, 35.2185,  
3.4849


 119.5598,  
147.0762, 45.6662


 16.8930, 23.8312,  
1.3472

 150.5522,  
183.1228, 63.3309

 10.2531, 15.2085,  
0.1000

 186.4849,  
224.6246, 85.0483

 5.6306, 8.9658,  
0.0000

 227.7232,  
271.9661, 111.2369

 2.6603, 4.7189,  
0.0000

274.6326,

 0.9768, 2.0833,

325.5317, 142.3154

0.0000

327.5785,  
385.7057, 178.7022

0.0000, 0.6552,  
0.0000

0.0000, 0.0000,  
0.0000

52.5713, 67.8241,  
12.8032

52.5713, 67.8241,  
12.8032

51.4392, 67.2804,  
11.0500

53.9570, 68.4760,  
15.7958

50.5129, 66.8200,  
10.2352

55.6247, 69.2400,  
20.1976

57.6038, 70.1304,  
26.1560

59.9186, 71.1570,  
33.7989

■ 62.5911, 72.3285,  
43.2411

■ 65.6412, 73.6529,  
54.5872

■ 69.0872, 75.1376,  
67.9338

■ 72.9465, 76.7894,  
83.3709

■ 77.2351, 78.6149,  
100.9831

# Harmonies

## Analogous

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



70.7632, 67.8241, 11.2907



52.5713, 67.8241, 12.8032



40.2360, 67.8241, 25.2247

# Triad

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



52.5713, 67.8241, 12.8032



43.8727, 67.8241, 187.1992



107.5723, 67.8241, 92.7452

# Complementary

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



52.5713, 67.8241, 12.8032



17.2600, 8.6896, 73.4447

# 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.



96.8705, 67.8241, 162.6106



52.5713, 67.8241, 12.8032



58.5516, 67.8241, 232.3312

# Square

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



52.5713, 67.8241, 12.8032



35.9407, 67.8241, 116.5598



78.0290, 67.8241, 221.6149



105.1009, 67.8241, 43.1004



# Rectangle

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



52.5713, 67.8241, 12.8032



35.8301, 67.8241, 44.0055



78.0290, 67.8241, 221.6149



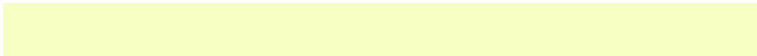
105.3276, 67.8241, 114.8238

# Sweetspot

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



52.5729, 67.8272, 12.8046



83.8073, 95.1670, 64.8732



34.1166, 20.4461, 4.6319



17.6365, 20.2386, 12.7673



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.



52.5729, 67.8272, 12.8046



66.1579, 87.1842, 13.6343



34.9851, 58.7604, 11.9815



15.4048, 16.7157, 15.3190



29.5290, 39.0042, 5.9722



2.2343, 2.9092, 0.4438



# Inverse Universe

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



17.2600, 8.6896, 73.4447



19.1357, 7.9441, 95.1325



28.7562, 14.6161, 73.9827



13.7587, 13.9778, 18.1172



8.4522, 3.4231, 42.5984



0.6817, 0.2824, 3.1505



# Previews

## White Background



This preview shows how the XYZ color 52.5713, 67.8241, 12.8032 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 52.5713, 67.8241, 12.8032 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 52.5713, 67.8241, 12.8032

## Background



This preview shows how black text looks on a background with the XYZ color 52.5713, 67.8241, 12.8032.



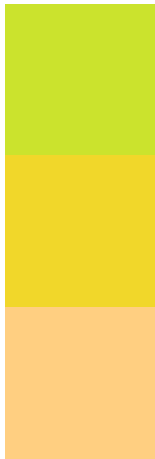
This preview shows how white text looks on a background with the XYZ color 52.5713, 67.8241,



# 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

52.5713, 67.8241, 12.8032

### Protanopia

60.9940, 67.4688, 11.9985

### Deuteranopia

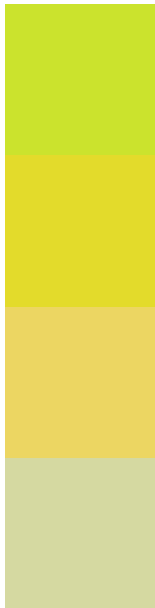
67.5153, 67.4706, 30.2336



## Tritanopia

66.5113, 67.2500, 82.8738

# Trichromacy



## Original Color

52.5713, 67.8241, 12.8032

## Protanomaly

57.4461, 67.1683, 12.2226

## Deuteranomaly

60.8432, 66.8078, 21.2437

## Tritanomaly

58.6864, 66.3451, 43.4310

# Monochromacy



## Original Color

52.5713, 67.8241, 12.8032

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

51.5778, 59.8635, 34.8230

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5713, 67.8241, 12.8032 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(203, 227, 45)` looks like.

```
.text, #text, p{  
    color:rgb(203, 227, 45)  
}
```

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(203, 227, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 227, 45) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5713, 67.8241, 12.8032 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(203, 227, 45) }
```



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

```
.border{ border-color:rgb(203, 227, 45) }
```

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

Here you see how a box with a 4 pixel rgb(203, 227, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 227, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 227, 45);  
box-shadow:4px 4px 4px 4px rgb(203, 227,  
45) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5713, 67.8241, 12.8032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 227, 45) }
```

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

```
.background{ background-color: rgb(203,  
227, 45) }
```

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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