

Converting Colors

XYZ(52.1590, 67.6631, 10.5639)

Have a look what the booklet for
XYZ(52.1590, 67.6631, 10.5639)
contains.

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Color

**XYZ(52.1470, 67.6544,
10.5686)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE309
RGB	203, 227, 9
RGB Percent	80%, 89%, 4%
CMY	0.2039, 0.1098, 0.9646
CMYK	0.11, 0.00, 0.96, 0.11
HSL	67°, 92%, 46%
HSV	67°, 96%, 89%
XYZ	52.1470, 67.6544, 10.5686
YIQ	194.9720, 55.6740, -72.8860

Conversions

Conversions Part 2

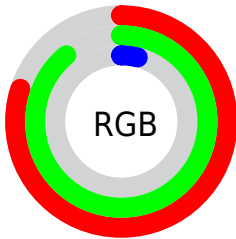
Format	Color
RYB	9, 227, 33
Decimal	13361929
CIELab	85.83, -29.61, 83.66
CIELCh	86, 88.747, 109.492
Yxy	67.6544, 0.4000, 0.5189
Android (android.graphics.Color)	4291552009 (0xFFCBE309)
YUV	194.9720, -91.6842, 7.0406
Hunter-Lab	82.2523, -30.7746, 49.9584

Details

The XYZ color **52.1470, 67.6544, 10.5686** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **14.5923, 6.0663, 73.0790**, and the grayscale version is **52.3647, 55.0918, 59.9949**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **26.2541, 35.4343, 5.4558** is the 20% darker color. If you saturate the color by 10%, you get **51.8291, 67.4985, 10.2968**, and if you desaturate by 10%, it is **53.0426, 68.0944, 11.6953**.

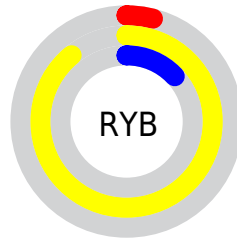
Distribution



Red (80%)

Green (89%)

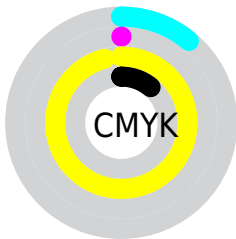
Blue (4%)



Red (4%)

Yellow (89%)

Blue (13%)

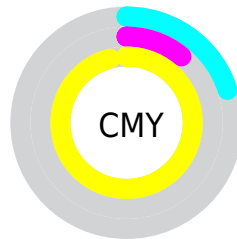


Cyan (11%)

Magenta (0%)

Yellow (96%)

Black (11%)



Cyan (20%)


Magenta (11%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1470, 67.6544, 10.5686 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 52.1470, 67.6544, 10.5686 by changing the saturation by 10% instead.


 52.1470, 67.6544,
10.5686


 52.1470, 67.6544,
10.5686


385.3185,
452.2706, 205.3135

 37.3470, 49.6166,
5.6671


 92.5209, 115.8576,
27.4840

 25.6512, 35.1089,
2.5782


 118.8256,
146.7918, 40.3349


 16.6942, 23.7468,
0.8812


 149.6958,
182.7936, 56.6727

 10.1106, 15.1459,
0.0000

 185.4970,
224.2474, 76.9159

 5.5352, 8.9218,
0.0000

 226.5946,
271.5377, 101.4830

 2.6025, 4.6902,
0.0000

 273.3537,

 0.9472, 2.0667,

325.0486, 130.7926

0.0000

326.1399,
385.1648, 165.2633

■ 0.0000, 0.6458,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.1470, 67.6544,
10.5686

■ 52.1470, 67.6544,
10.5686

■ 51.8291, 67.4985,
10.2968

■ 53.0426, 68.0944,
11.6953

■ 54.1590, 68.6215,
13.9342

■ 55.5357, 69.2541,
17.4860

■ 57.2033, 70.0043,
22.5114

■ 59.1880, 70.8826,
29.1483

■ 61.5130, 71.8983,
37.5184

■ 64.1992, 73.0598,
47.7321

■ 67.2660, 74.3748,
59.8904

■ 70.7311, 75.8505,
74.0871

Harmonies

Analogous

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



71.6820, 67.6544, 9.3754



52.1470, 67.6544, 10.5686



38.9733, 67.6544, 22.3220

Triad

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



52.1470, 67.6544, 10.5686



42.1501, 67.6544, 195.4162



110.7822, 67.6544, 95.9710

Complementary

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



52.1470, 67.6544, 10.5686



14.5923, 6.0663, 73.0790

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.



98.7512, 67.6544, 172.6512



52.1470, 67.6544, 10.5686



57.4495, 67.6544, 247.1223

Square

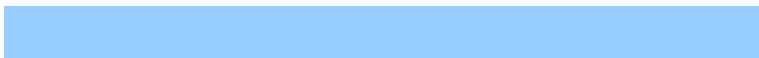
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.1470, 67.6544, 10.5686



34.0978, 67.6544, 117.5776



78.2160, 67.6544, 237.1114



108.5251, 67.6544, 42.3240

Rectangle

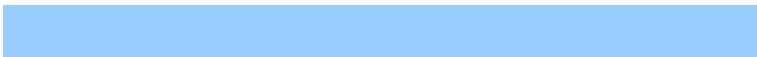
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.1470, 67.6544, 10.5686



34.2530, 67.6544, 41.0512



78.2160, 67.6544, 237.1114



108.1903, 67.6544, 120.1368

Sweetspot

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



52.1485, 67.6575, 10.5700



82.4125, 94.6062, 57.6602



32.2153, 17.3226, 1.9050



17.3198, 20.1113, 11.1273



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.



52.1485, 67.6575, 10.5700



67.4120, 87.8372, 13.4013



32.3672, 57.4599, 9.6443



15.4371, 16.7324, 15.3205



30.2867, 39.3948, 6.0077



2.2830, 2.9343, 0.4460

Inverse Universe

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



14.5923, 6.0663, 73.0790



18.5312, 7.4681, 95.0725



24.7481, 11.3018, 73.5543



13.7295, 13.9628, 18.1158



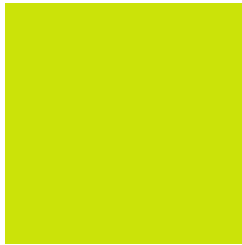
8.3678, 3.3796, 42.5945



0.6678, 0.2753, 3.1499

Previews

White Background



This preview shows how the XYZ color 52.1470, 67.6544, 10.5686 looks on a white background.

Color Contrast Check

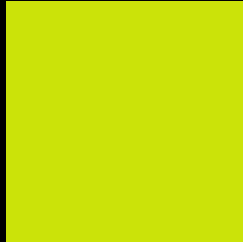
Large Text (above 18pt) WCAG AA × Fail

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 52.1470, 67.6544, 10.5686 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 52.1470, 67.6544, 10.5686

Background



This preview shows how black text looks on a background with the XYZ color 52.1470, 67.6544, 10.5686.



This preview shows how white text looks on a background with the XYZ color 52.1470, 67.6544,

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

52.1470, 67.6544, 10.5686

Protanopia

60.9184, 67.4781, 9.8138

Deuteranopia

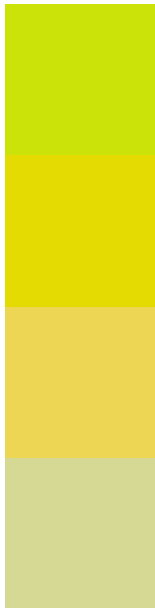
67.3836, 67.4180, 29.5401



Tritanopia

66.8131, 67.4056, 82.8879

Trichromacy



Original Color

52.1470, 67.6544, 10.5686

Protanomaly

57.3429, 67.1636, 10.0277

Deuteranomaly

60.2389, 66.5661, 18.0611

Tritanomaly

57.8897, 66.0600, 37.7167

Monochromacy



Original Color

52.1470, 67.6544, 10.5686

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.4323, 58.1637, 28.7000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1470, 67.6544, 10.5686 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(203, 227, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 227, 9) }
```

Border

The CSS property to change the border of an element to XYZ 52.1470, 67.6544, 10.5686 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, 9) }
```


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

```
.border{ border-color:rgb(203, 227, 9) }
```

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, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 227, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 227, 9);  
box-shadow:4px 4px 4px 4px rgb(203, 227,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1470, 67.6544, 10.5686 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, 9) }
```

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

```
.background{ background-color: rgb(203,  
227, 9) }
```

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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