

Converting Colors

XYZ(50.5855, 67.5181, 17.2549)

Have a look what the booklet for
XYZ(50.5855, 67.5181, 17.2549)
contains.

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Color

**XYZ(50.5590, 67.5076,
17.2030)**

Conversions

Conversions Part 1

Format	Color
Hex	BEE54C
RGB	190, 229, 76
RGB Percent	75%, 90%, 30%
CMY	0.2549, 0.1019, 0.7019
CMYK	0.17, 0.00, 0.67, 0.10
HSL	75°, 75%, 60%
HSV	75°, 67%, 90%
XYZ	50.5590, 67.5076, 17.2030
YIQ	199.8970, 25.8690, -55.8510

Conversions

Conversions Part 2

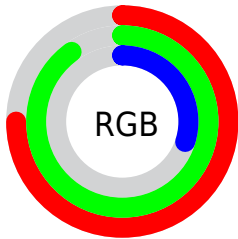
Format	Color
RYB	76, 229, 115
Decimal	12510540
CIELab	85.76, -33.49, 67.33
CIELCh	86, 75.197, 116.449
Yxy	67.5076, 0.3738, 0.4991
Android (android.graphics.Color)	4290700620 (0xFFBEE54C)
YUV	199.8970, -61.0812, -8.6797
Hunter-Lab	82.1630, -33.9453, 45.1002

Details

The XYZ color **50.5590, 67.5076, 17.2030** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **23.8001, 14.4726, 75.6719**, and the grayscale version is **55.1911, 58.0653, 63.2331**.

A 20% lighter version of the original color is **78.9918, 93.3257, 35.6801**, and **24.6164, 34.8737, 5.4339** is the 20% darker color. If you saturate the color by 10%, you get **48.4716, 66.5099, 13.6638**, and if you desaturate by 10%, it is **52.9912, 68.6547, 22.2395**.

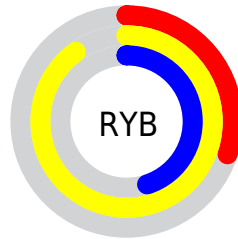
Distribution



Red (75%)

Green (90%)

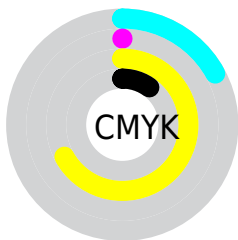
Blue (30%)



Red (30%)

Yellow (90%)

Blue (45%)

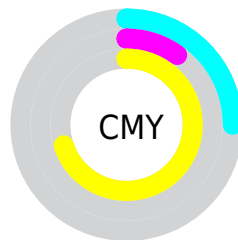


Cyan (17%)

Magenta (0%)

Yellow (67%)

Black (10%)



Cyan (25%)

Magenta (10%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5590, 67.5076, 17.2030 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 50.5590, 67.5076, 17.2030 by changing the saturation by 10% instead.

■ 50.5590, 67.5076,
17.2030

■ 50.5590, 67.5076,
17.2030

379.2639,
451.7494, 248.4229

■ 36.0774, 49.4973,
10.2158

■ 90.1894, 115.6474,
39.4699

■ 24.6643, 35.0141,
5.4348

■ 116.0690,
146.5457, 55.5867

■ 15.9546, 23.6737,
2.4414

■ 146.4785,
182.5088, 75.5838

■ 9.5826, 15.0918,
0.8089

■ 181.7834,
223.9210, 99.8798

■ 5.1833, 8.8838,
0.0000

■ 222.3491,
271.1668, 128.8932

■ 2.3910, 4.6655,
0.0000

268.5408,

■ 0.8406, 2.0524,

324.6305, 163.0424

0.0000

320.7240,
384.6966, 202.7462

■ 0.0000, 0.6376,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.5590, 67.5076,
17.2030

■ 50.5590, 67.5076,
17.2030

■ 48.4716, 66.5099,
13.6638

■ 52.9912, 68.6547,
22.2395

■ 46.6921, 65.6397,
11.4508


■ 55.7912, 69.9534,
28.9113


■ 45.1807, 64.8833,
10.3522


■ 58.9851, 71.4166,
37.3456

■ 44.7333, 64.6573,
10.1224


■ 62.5951, 73.0531,
47.6558

 66.6416, 74.8713,
59.9459

 71.1434, 76.8788,
74.3123

 76.1183, 79.0827,
90.8450

 80.8977, 81.2156,
106.0202

 82.8758, 82.2354,
106.1127

Harmonies

Analogous

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



66.2296, 67.5076, 13.7722



50.5590, 67.5076, 17.2030



40.4035, 67.5076, 32.6659

Triad

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



50.5590, 67.5076, 17.2030



47.5987, 67.5076, 183.7554



103.0591, 67.5076, 79.5145

Complementary

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



50.5590, 67.5076, 17.2030



23.8001, 14.4726, 75.6719

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.



95.7836, 67.5076, 139.0892



50.5590, 67.5076, 17.2030



62.1417, 67.5076, 213.9421

Square

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



50.5590, 67.5076, 17.2030



38.9205, 67.5076, 124.1481



80.0137, 67.5076, 194.7495



98.4781, 67.5076, 38.9329

Rectangle

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



50.5590, 67.5076, 17.2030



37.1317, 67.5076, 53.5088



80.0137, 67.5076, 194.7495



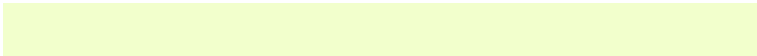
101.8904, 67.5076, 97.9475

Sweetspot

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



50.5606, 67.5106, 17.2044



83.2763, 94.7565, 71.0274



39.6657, 29.2731, 10.3981



17.5111, 20.1410, 14.2495



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.



50.5606, 67.5106, 17.2044



60.9840, 84.4544, 16.2191



36.2982, 60.1581, 16.5370



15.2241, 16.6226, 15.3105



25.6918, 37.0261, 5.7927



1.9831, 2.7797, 0.4320

Inverse Universe

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



23.8001, 14.4726, 75.6719



24.8283, 12.4717, 95.7064



38.1528, 21.8717, 76.3436



13.9255, 14.0638, 18.1250



9.1908, 3.8039, 42.6330



0.7635, 0.3246, 3.1544

Previews

White Background



This preview shows how the XYZ color 50.5590, 67.5076, 17.2030 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 50.5590, 67.5076, 17.2030 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 50.5590, 67.5076, 17.2030

Background



This preview shows how black text looks on a background with the XYZ color 50.5590, 67.5076, 17.2030.



This preview shows how white text looks on a background with the XYZ color 50.5590, 67.5076,

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

50.5590, 67.5076, 17.2030

Protanopia

60.8129, 66.9117, 15.8410

Deuteranopia

67.3406, 67.0143, 30.5049



Tritanopia

64.2025, 67.1281, 85.1745

Trichromacy



Original Color

50.5590, 67.5076, 17.2030

Protanomaly

56.3529, 66.5162, 16.1721

Deuteranomaly

59.8160, 66.2078, 24.3786

Tritanomaly

57.1568, 66.1757, 50.3181

Monochromacy



Original Color

50.5590, 67.5076, 17.2030

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

51.9756, 60.6909, 39.9854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5590, 67.5076, 17.2030 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(190, 229, 76)` looks like.

```
.text, #text, p{  
    color:rgb(190, 229, 76)  
}
```

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(190, 229, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 229, 76) }
```

Border

The CSS property to change the border of an element to XYZ 50.5590, 67.5076, 17.2030 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(190, 229, 76) }
```


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

```
.border{ border-color:rgb(190, 229, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 229, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 229, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 229, 76);  
box-shadow:4px 4px 4px 4px rgb(190, 229,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5590, 67.5076, 17.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 229, 76) }
```

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

```
.background{ background-color: rgb(190,  
229, 76) }
```

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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