

Converting Colors

XYZ(49.9995, 67.9421, 17.4097)

Have a look what the booklet for
XYZ(49.9995, 67.9421, 17.4097)
contains.

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Color

**XYZ(50.1652, 68.1268,
17.5270)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE74D
RGB	186, 231, 77
RGB Percent	73%, 91%, 30%
CMY	0.2706, 0.0941, 0.6980
CMYK	0.19, 0.00, 0.67, 0.09
HSL	78°, 76%, 60%
HSV	78°, 67%, 91%
XYZ	50.1652, 68.1268, 17.5270
YIQ	199.9890, 22.6140, -57.4340

Conversions

Conversions Part 2

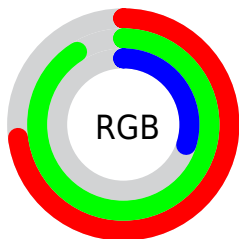
Format	Color
RYB	77, 231, 122
Decimal	12248909
CIELab	86.07, -35.88, 67.19
CIElCh	86, 76.169, 118.107
Yxy	68.1268, 0.3694, 0.5016
Android (android.graphics.Color)	4290438989 (0xFFBAE74D)
YUV	199.9890, -60.6336, -12.2684
Hunter-Lab	82.5390, -35.9552, 45.1871

Details

The XYZ color **50.1652, 68.1268, 17.5270** 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 **25.1064, 15.2167, 77.2192**, and the grayscale version is **55.2467, 58.1238, 63.2968**.

A 20% lighter version of the original color is **77.6498, 92.6259, 35.9763**, and **24.3887, 35.3293, 5.5625** is the 20% darker color. If you saturate the color by 10%, you get **47.8890, 67.0337, 13.8931**, and if you desaturate by 10%, it is **52.8116, 69.3818, 22.6920**.

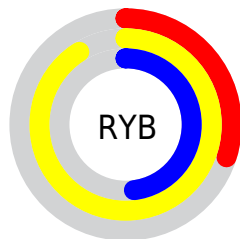
Distribution



Red (73%)

Green (91%)

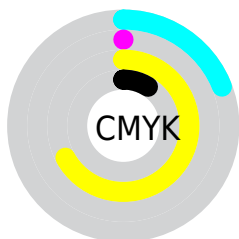
Blue (30%)



Red (30%)

Yellow (91%)

Blue (48%)

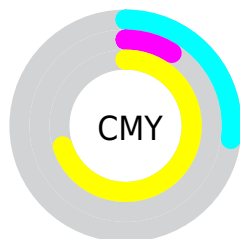


Cyan (19%)

Magenta (0%)

Yellow (67%)

Black (9%)



Cyan (27%)


Magenta (9%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1652, 68.1268, 17.5270 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 50.1652, 68.1268, 17.5270 by changing the saturation by 10% instead.


 50.1652, 68.1268,
17.5270


 50.1652, 68.1268,
17.5270


377.7529,
453.9451, 250.3372

 35.7630, 50.0009,
10.4450


 89.6100, 116.5335,
40.0327


 24.4205, 35.4141,
5.5856


 115.3832,
147.5831, 56.2934


 15.7722, 23.9820,
2.5301


 145.6776,
183.7094, 76.4509

 9.4530, 15.3203,
0.8560

 180.8584,
225.2968, 100.9236

 5.0973, 9.0445,
0.0000

 221.2909,
272.7297, 130.1300

 2.3398, 4.7702,
0.0000

267.3407,

 0.8149, 2.1131,

326.3924, 164.4887

0.0000

319.3729,
386.6695, 204.4183

■ 0.0000, 0.6720,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.1652, 68.1268,
17.5270

■ 50.1652, 68.1268,
17.5270

■ 47.8890, 67.0337,
13.8931

■ 52.8116, 69.3818,
22.6920

■ 45.9449, 66.0799,
11.6160


■ 55.8521, 70.8010,
29.5289


■ 44.2925, 65.2514,
10.4815


■ 59.3135, 72.3978,
38.1675


■ 43.7833, 64.9938,
10.2374

■ 63.2188, 74.1815,
48.7234

 67.5893, 76.1606,
61.3029

 72.4444, 78.3432,
76.0042

 77.8026, 80.7366,
92.9192

 82.5653, 82.9015,
106.2577

 84.9002, 84.1052,
106.3670

Harmonies

Analogous

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



65.8698, 68.1268, 13.5512



50.1652, 68.1268, 17.5270



40.1897, 68.1268, 34.0400

Triad

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



50.1652, 68.1268, 17.5270



48.5595, 68.1268, 189.6893



104.5175, 68.1268, 77.4060

Complementary

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



50.1652, 68.1268, 17.5270



25.1064, 15.2167, 77.2192

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.



97.7099, 68.1268, 137.5909



50.1652, 68.1268, 17.5270



63.6478, 68.1268, 218.0925

Square

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



50.1652, 68.1268, 17.5270



39.3867, 68.1268, 129.4378



81.9245, 68.1268, 195.7017



99.1788, 68.1268, 37.4251

Rectangle

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



50.1652, 68.1268, 17.5270



37.1033, 68.1268, 56.0466



81.9245, 68.1268, 195.7017



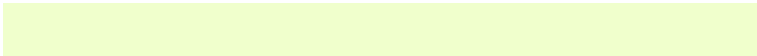
103.5523, 68.1268, 95.8516

Sweetspot

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



50.1668, 68.1298, 17.5284



82.6267, 94.4216, 70.9970



41.0900, 31.1128, 10.8618



17.3542, 20.0601, 14.2422



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.



50.1668, 68.1298, 17.5284



58.9620, 83.4121, 16.1245



36.3940, 61.0297, 16.8839



15.1698, 16.5946, 15.3080



24.6736, 36.5012, 5.7450



1.9147, 2.7444, 0.4288

Inverse Universe

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



25.1064, 15.2167, 77.2192



25.7414, 12.9424, 95.7492



40.2724, 23.0350, 77.9290



13.9766, 14.0902, 18.1274



9.5109, 3.9689, 42.6480



0.7930, 0.3398, 3.1558

Previews

White Background



This preview shows how the XYZ color 50.1652, 68.1268, 17.5270 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 50.1652, 68.1268, 17.5270 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 50.1652, 68.1268, 17.5270

Background



This preview shows how black text looks on a background with the XYZ color 50.1652, 68.1268, 17.5270.



This preview shows how white text looks on a background with the XYZ color 50.1652, 68.1268,

17.5270.

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

50.1652, 68.1268, 17.5270

Protanopia

61.4382, 67.6072, 16.1147

Deuteranopia

67.7865, 67.5791, 31.6616



Tritanopia

64.1657, 67.8323, 86.8018

Trichromacy



Original Color

50.1652, 68.1268, 17.5270

Protanomaly

56.6077, 67.4230, 16.5090

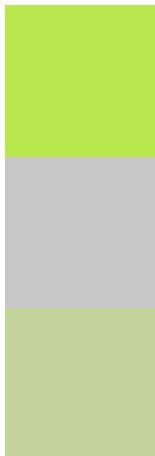
Deuteranomaly

60.1696, 67.1270, 25.4083

Tritanomaly

56.7189, 66.7178, 50.9627

Monochromacy



Original Color

50.1652, 68.1268, 17.5270

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

51.7163, 60.5572, 39.9733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1652, 68.1268, 17.5270 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(186, 231, 77)` looks like.

```
.text, #text, p{  
    color:rgb(186, 231, 77)  
}
```

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(186, 231, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 231, 77) }
```

Border

The CSS property to change the border of an element to XYZ 50.1652, 68.1268, 17.5270 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(186, 231, 77) }
```


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

```
.border{ border-color:rgb(186, 231, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 231, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 231, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 231, 77);  
box-shadow:4px 4px 4px 4px rgb(186, 231,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1652, 68.1268, 17.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 231, 77) }
```

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

```
.background{ background-color: rgb(186,  
231, 77) }
```

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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