

Converting Colors

XYZ(48.2650, 68.4690, 17.7281)

Have a look what the booklet for
XYZ(48.2650, 68.4690, 17.7281)
contains.

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Color

**XYZ(48.2179, 68.3801,
17.6785)**

Conversions

Conversions Part 1

Format	Color
Hex	AEEA4D
RGB	174, 234, 77
RGB Percent	68%, 92%, 30%
CMY	0.3176, 0.0823, 0.6980
CMYK	0.26, 0.00, 0.67, 0.08
HSL	83°, 79%, 61%
HSV	83°, 67%, 92%
XYZ	48.2179, 68.3801, 17.6785
YIQ	198.1620, 14.6370, -61.5470

Conversions

Conversions Part 2

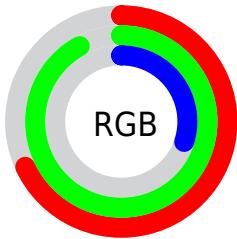
Format	Color
RYB	77, 234, 137
Decimal	11463245
CIELab	86.20, -41.73, 67.09
CIELCh	86, 79.009, 121.879
Yxy	68.3801, 0.3591, 0.5092
Android (android.graphics.Color)	4289653325 (0xFFAEEA4D)
YUV	198.1620, -59.7329, -21.1901
Hunter-Lab	82.6923, -40.6280, 45.2092

Details

The XYZ color **48.2179, 68.3801, 17.6785** 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 **27.8246, 16.5686, 79.5774**, and the grayscale version is **54.1226, 56.9412, 62.0089**.

A 20% lighter version of the original color is **73.5979, 90.5371, 35.7867**, and **23.2565, 35.6227, 5.6501** is the 20% darker color. If you saturate the color by 10%, you get **45.6096, 67.1166, 13.9925**, and if you desaturate by 10%, it is **51.2592, 69.8369, 22.9380**.

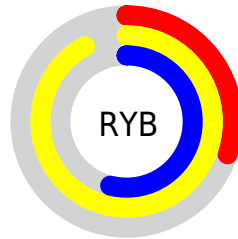
Distribution



Red (68%)

Green (92%)

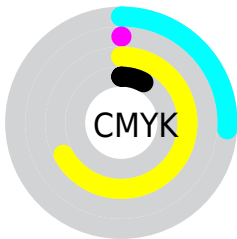
Blue (30%)



Red (30%)

Yellow (92%)

Blue (54%)

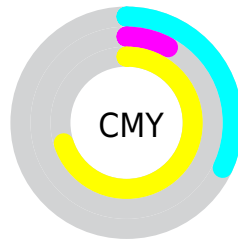


Cyan (26%)

Magenta (0%)

Yellow (67%)

Black (8%)



Cyan (32%)

Magenta (8%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2179, 68.3801, 17.6785 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 48.2179, 68.3801, 17.6785 by changing the saturation by 10% instead.

■ 48.2179, 68.3801,
17.6785

■ 48.2179, 68.3801,
17.6785

370.2234,
454.8416, 251.2276

■ 34.2114, 50.2070,
10.5524

■ 86.7365, 116.8957,
40.2952

■ 23.2197, 35.5779,
5.6563

■ 111.9793,
148.0071, 56.6229

■ 14.8774, 24.1084,
2.5719

■ 141.6983,
184.2000, 76.8549

■ 8.8192, 15.4140,
0.8779

■ 176.2589,
225.8588, 101.4097

■ 4.6796, 9.1105,
0.0000

■ 216.0263,
273.3680, 130.7058

■ 2.0933, 4.8133,
0.0000

261.3659,

■ 0.6856, 2.1381,

327.1119, 165.1618

0.0000

312.6432,
387.4750, 205.1962

0.0000, 0.6860,
0.0000

0.0000, 0.0000,
0.0000

48.2179, 68.3801,
17.6785

48.2179, 68.3801,
17.6785

45.6096, 67.1166,
13.9925

51.2592, 69.8369,
22.9380

43.3933, 66.0225,
11.6986


54.7598, 71.4907,
29.9175


41.5244, 65.0821,
10.5689


58.7489, 73.3557,
38.7516


41.0254, 64.8292,
10.3510


63.2518, 75.4425,
49.5602

 68.2915, 77.7604,
62.4534

 73.8896, 80.3184,
77.5330

 80.0664, 83.1248,
94.8942

 85.3224, 85.5800,
106.6294

 88.5280, 87.2326,
106.7794

Harmonies

Analogous

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



63.8533, 68.3801, 12.5118



48.2179, 68.3801, 17.6785



38.7714, 68.3801, 36.5211

Triad

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



48.2179, 68.3801, 17.6785



49.8640, 68.3801, 202.3271



106.5867, 68.3801, 71.2183

Complementary

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



48.2179, 68.3801, 17.6785



27.8246, 16.5686, 79.5774

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.



100.9733, 68.3801, 132.3420



48.2179, 68.3801, 17.6785



66.1467, 68.3801, 226.1222

Square

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



48.2179, 68.3801, 17.6785



39.5897, 68.3801, 140.8653



85.2677, 68.3801, 195.9991



99.4429, 68.3801, 33.0963

Rectangle

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



48.2179, 68.3801, 17.6785



36.1556, 68.3801, 61.1830



85.2677, 68.3801, 195.9991



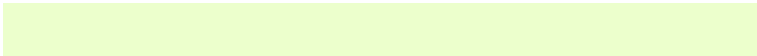
106.1258, 68.3801, 89.5180

Sweetspot

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



48.2195, 68.3831, 17.6800



81.0879, 93.6283, 70.9250



43.8775, 35.2379, 11.5111



16.9836, 19.8691, 14.2248



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.



48.2195, 68.3831, 17.6800



54.2201, 80.9738, 15.6171



35.7944, 61.9778, 17.0985



15.7620, 17.3229, 16.0316



23.1974, 36.5032, 5.8232



1.9282, 2.9213, 0.4623

Inverse Universe

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



27.8246, 16.5686, 79.5774



27.9366, 13.9132, 95.8208



44.9677, 25.4062, 80.3797



14.7754, 14.8295, 19.0059



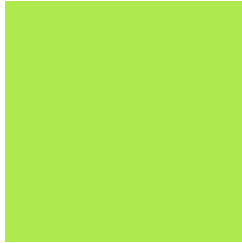
10.8139, 4.6107, 44.0630



0.9534, 0.4158, 3.4649

Previews

White Background



This preview shows how the XYZ color 48.2179, 68.3801, 17.6785 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 48.2179, 68.3801, 17.6785 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 48.2179, 68.3801, 17.6785

Background



This preview shows how black text looks on a background with the XYZ color 48.2179, 68.3801, 17.6785.

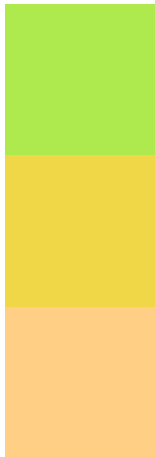


This preview shows how white text looks on a background with the XYZ color 48.2179, 68.3801,

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

48.2179, 68.3801, 17.6785

Protanopia

61.4053, 67.5940, 15.9414

Deuteranopia

67.8559, 67.6069, 32.0273



Tritanopia

62.7200, 68.1885, 89.2129

Trichromacy



Original Color

48.2179, 68.3801, 17.6785

Protanomaly

55.6762, 67.3359, 16.5412

Deuteranomaly

59.1575, 66.9867, 25.4346

Tritanomaly

55.1851, 67.0905, 52.1607

Monochromacy



Original Color

48.2179, 68.3801, 17.6785

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.1133, 59.7404, 39.4617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2179, 68.3801, 17.6785 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(174, 234, 77)` looks like.

```
.text, #text, p{  
    color:rgb(174, 234, 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(174, 234, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 234, 77) }
```

Border

The CSS property to change the border of an element to XYZ 48.2179, 68.3801, 17.6785 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(174, 234, 77) }
```


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

```
.border{ border-color:rgb(174, 234, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 234, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 234, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 234, 77);  
box-shadow:4px 4px 4px 4px rgb(174, 234,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2179, 68.3801, 17.6785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 234, 77) }
```

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

```
.background{ background-color: rgb(174,  
234, 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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