

Converting Colors

XYZ(50.0281, 69.3792, 16.8671)

Have a look what the booklet for
XYZ(50.0281, 69.3792, 16.8671)
contains.

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Color

**XYZ(49.8839, 69.2586,
16.8700)**

Conversions

Conversions Part 1

Format	Color
Hex	B6EA48
RGB	182, 234, 72
RGB Percent	71%, 92%, 28%
CMY	0.2863, 0.0823, 0.7176
CMYK	0.22, 0.00, 0.69, 0.08
HSL	79°, 79%, 60%
HSV	79°, 69%, 92%
XYZ	49.8839, 69.2586, 16.8700
YIQ	199.9840, 21.0100, -61.4060

Conversions

Conversions Part 2

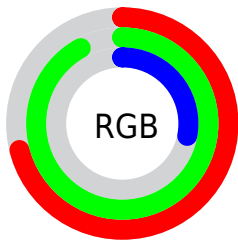
Format	Color
RYB	72, 234, 124
Decimal	11987528
CIELab	86.63, -39.06, 69.53
CIELCh	87, 79.755, 119.328
Yxy	69.2586, 0.3668, 0.5092
Android (android.graphics.Color)	4290177608 (0xFFB6EA48)
YUV	199.9840, -63.0961, -15.7720
Hunter-Lab	83.2218, -38.6435, 46.2365

Details

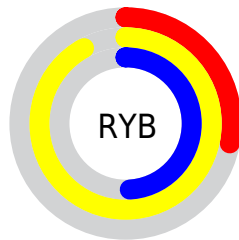
The XYZ color **49.8839, 69.2586, 16.8700** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **25.4837, 14.8623, 79.3715**, and the grayscale version is **55.2590, 58.1368, 63.3110**.

A 20% lighter version of the original color is **75.9981, 91.8058, 34.4836**, and **24.3778, 36.2008, 5.7026** is the 20% darker color. If you saturate the color by 10%, you get **47.5348, 68.1219, 13.5057**, and if you desaturate by 10%, it is **52.6218, 70.5667, 21.7708**.

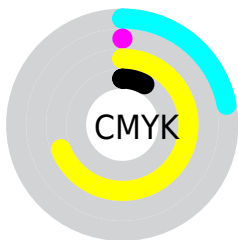
Distribution



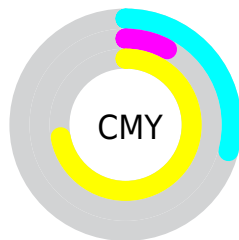
- Red (71%)
- Green (92%)
- Blue (28%)



- Red (28%)
- Yellow (92%)
- Blue (49%)



- Cyan (22%)
- Magenta (0%)
- Yellow (69%)
- Black (8%)





- Cyan (29%)
- Magenta (8%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8839, 69.2586, 16.8700 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 49.8839, 69.2586, 16.8700 by changing the saturation by 10% instead.


 49.8839, 69.2586,
16.8700


 49.8839, 69.2586,
16.8700


376.6712,
457.9425, 246.4406


 35.5386, 50.9223,
9.9809


 89.1957, 118.1509,
38.8897

 24.2465, 36.1468,
5.2808


 114.8929,
149.4756, 54.8574


 15.6423, 24.5476,
2.3514


 145.1047,
185.8987, 74.6883

 9.3606, 15.7403,
0.7598

 180.1965,
227.8045, 98.8010

 5.0361, 9.3406,
0.0000

 220.5338,
275.5774, 127.6141

 2.3035, 4.9640,
0.0000

266.4817,

 0.7964, 2.2262,

329.6018, 161.5460

0.0000

318.4058,
390.2620, 201.0153

0.0000, 0.7342,
0.0000

0.0000, 0.0000,
0.0000

49.8839, 69.2586,
16.8700

49.8839, 69.2586,
16.8700

47.5348, 68.1219,
13.5057

52.6218, 70.5667,
21.7708

45.5331, 67.1326,
11.4894


55.7747, 72.0495,
28.3593


43.8243, 66.2710,
10.5336


59.3714, 73.7212,
36.7733

43.6994, 66.2078,
10.4762


63.4366, 75.5917,
47.1353

 67.9929, 77.6703,
59.5572

 73.0611, 79.9655,
74.1424

 78.6610, 82.4853,
90.9873

 84.1255, 84.9631,
106.5734

 86.7587, 86.3205,
106.6966

Harmonies

Analogous

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



66.2467, 69.2586, 12.4998



49.8839, 69.2586, 16.8700



39.7085, 69.2586, 34.4383

Triad

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



49.8839, 69.2586, 16.8700



49.2851, 69.2586, 201.5036



108.2330, 69.2586, 76.6132

Complementary

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



49.8839, 69.2586, 16.8700



25.4837, 14.8623, 79.3715

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.



101.4449, 69.2586, 140.3021



49.8839, 69.2586, 16.8700



65.4115, 69.2586, 230.2245

Square

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



49.8839, 69.2586, 16.8700



39.4111, 69.2586, 137.1918



84.8524, 69.2586, 203.8154



102.0031, 69.2586, 35.6814

Rectangle

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



49.8839, 69.2586, 16.8700



36.6730, 69.2586, 58.0602



84.8524, 69.2586, 203.8154



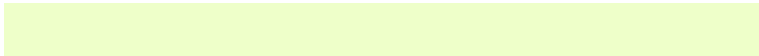
107.3808, 69.2586, 95.9136

Sweetspot

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



49.8855, 69.2617, 16.8715



81.5515, 93.9024, 69.3630



42.2243, 32.2032, 10.1222



17.1203, 19.9463, 13.9237



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.



49.8855, 69.2617, 16.8715



56.7095, 82.2687, 15.2099



36.0404, 62.1243, 16.2235



15.8545, 17.3705, 16.0359



24.6922, 37.2738, 5.8931



2.0385, 2.9782, 0.4674

Inverse Universe

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



25.4837, 14.8623, 79.3715



25.5194, 12.3720, 95.6508



42.1555, 23.4569, 80.1518



14.6864, 14.7836, 19.0017



10.0976, 4.2414, 44.0294



0.8899, 0.3831, 3.4619

Previews

White Background



This preview shows how the XYZ color 49.8839, 69.2586, 16.8700 looks on a white background.

Color Contrast Check

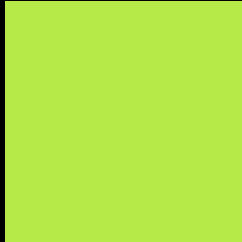
Large Text (above 18pt) WCAG AA × Fail

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 49.8839, 69.2586, 16.8700 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 49.8839, 69.2586, 16.8700

Background



This preview shows how black text looks on a background with the XYZ color 49.8839, 69.2586, 16.8700.

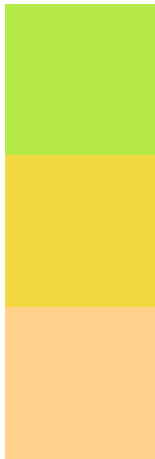


This preview shows how white text looks on a background with the XYZ color 49.8839, 69.2586,

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

49.8839, 69.2586, 16.8700

Protanopia

62.4439, 68.9082, 15.3197

Deuteranopia

68.7007, 68.7250, 34.0704



Tritanopia

64.5592, 69.1367, 89.2990

Trichromacy



Original Color

49.8839, 69.2586, 16.8700

Protanomaly

56.9771, 68.4207, 15.8337

Deuteranomaly

60.1608, 67.8746, 26.1499

Tritanomaly

56.7403, 67.9152, 51.1927

Monochromacy



Original Color

49.8839, 69.2586, 16.8700

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

51.2856, 60.7243, 39.1549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8839, 69.2586, 16.8700 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(182, 234, 72)` looks like.

```
.text, #text, p{  
    color:rgb(182, 234, 72)  
}
```

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(182, 234, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 234, 72) }
```

Border

The CSS property to change the border of an element to XYZ 49.8839, 69.2586, 16.8700 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(182, 234, 72) }
```


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

```
.border{ border-color:rgb(182, 234, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 234, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 234, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 234, 72);  
box-shadow:4px 4px 4px 4px rgb(182, 234,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8839, 69.2586, 16.8700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 234, 72) }
```

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

```
.background{ background-color: rgb(182,  
234, 72) }
```

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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