

Converting Colors

XYZ(50.6716, 70.8772, 16.6693)

Have a look what the booklet for
XYZ(50.6716, 70.8772, 16.6693)
contains.

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Color

**XYZ(50.6498, 70.9431,
16.6541)**

Conversions

Conversions Part 1

Format	Color
Hex	B6ED45
RGB	182, 237, 69
RGB Percent	71%, 93%, 27%
CMY	0.2863, 0.0706, 0.7294
CMYK	0.23, 0.00, 0.71, 0.07
HSL	80°, 82%, 60%
HSV	80°, 71%, 93%
XYZ	50.6498, 70.9431, 16.6541
YIQ	201.4030, 21.1480, -63.9080

Conversions

Conversions Part 2

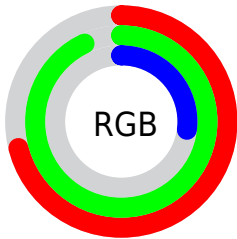
Format	Color
RYB	69, 237, 124
Decimal	11988293
CIELab	87.46, -40.57, 71.42
CIELCh	87, 82.134, 119.599
Yxy	70.9431, 0.3664, 0.5132
Android (android.graphics.Color)	4290178373 (0xFFB6ED45)
YUV	201.4030, -65.2747, -17.0164
Hunter-Lab	84.2277, -40.0587, 47.2362

Details

The XYZ color **50.6498, 70.9431, 16.6541** 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 **25.7292, 14.6577, 81.5980**, and the grayscale version is **56.1531, 59.0775, 64.3354**.

A 20% lighter version of the original color is **75.8664, 91.7531, 33.7902**, and **24.8361, 37.3328, 5.8970** is the 20% darker color. If you saturate the color by 10%, you get **48.2743, 69.7895, 13.4400**, and if you desaturate by 10%, it is **53.4238, 72.2728, 21.4223**.

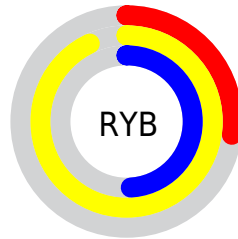
Distribution



Red (71%)

Green (93%)

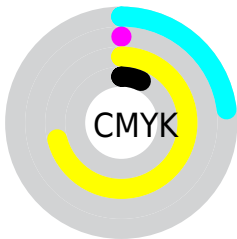
Blue (27%)



Red (27%)

Yellow (93%)

Blue (49%)

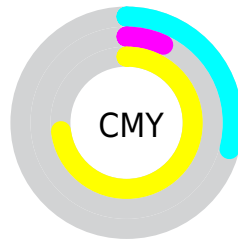


Cyan (23%)

Magenta (0%)

Yellow (71%)

Black (7%)



Cyan (29%)


Magenta (7%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6498, 70.9431, 16.6541 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 50.6498, 70.9431, 16.6541 by changing the saturation by 10% instead.


 50.6498, 70.9431,
16.6541


 50.6498, 70.9431,
16.6541


379.6118,
463.8545, 245.1472

 36.1499, 52.2958,
9.8288


 90.3230, 120.5527,
38.5126


 24.7206, 37.2409,
5.1815


 116.2270,
152.2838, 54.3828


 15.9967, 25.3940,
2.2935


 146.6630,
189.1448, 74.1052

 9.6126, 16.3709,
0.7276

 181.9965,
231.5203, 98.0982

 5.2032, 9.7870,
0.0000

 222.5928,
279.7947, 126.7803

 2.4029, 5.2579,
0.0000

268.8171,

 0.8466, 2.3994,

334.3522, 160.5702

0.0000

321.0350,
395.5774, 199.8863

0.0000, 0.8256,
0.0000

0.0000, 0.0000,
0.0000

50.6498, 70.9431,
16.6541

50.6498, 70.9431,
16.6541

48.2743, 69.7895,
13.4400

53.4238, 72.2728,
21.4223


46.2535, 68.7868,
11.5786


56.6241, 73.7825,
27.9045


44.6645, 67.9840,
10.7682


60.2813, 75.4870,
36.2459

64.4213, 77.3969,
46.5750

 69.0677, 79.5218,
59.0088

 74.2425, 81.8707,
73.6553

 79.9663, 84.4520,
90.6152

 85.6714, 87.0387,
106.8925

 88.4223, 88.4569,
107.0213

Harmonies

Analogous

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



67.6902, 70.9431, 12.1331



50.6498, 70.9431, 16.6541



40.1286, 70.9431, 34.8525

Triad

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



50.6498, 70.9431, 16.6541



50.2777, 70.9431, 210.6679



111.9697, 70.9431, 77.9937

Complementary

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



50.6498, 70.9431, 16.6541



25.7292, 14.6577, 81.5980

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.



104.9400, 70.9431, 144.8015



50.6498, 70.9431, 16.6541



67.1690, 70.9431, 240.6180

Square

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



50.6498, 70.9431, 16.6541



39.9445, 70.9431, 142.8451



87.5571, 70.9431, 212.1281



105.2904, 70.9431, 35.6185

Rectangle

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



50.6498, 70.9431, 16.6541



37.0212, 70.9431, 59.5384



87.5571, 70.9431, 212.1281



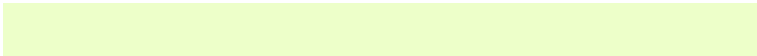
111.1147, 70.9431, 98.1543

Sweetspot

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



50.6515, 70.9463, 16.6556



81.4368, 93.8433, 69.3577



42.9860, 32.4049, 9.6204



17.0929, 19.9322, 13.9224



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.



50.6515, 70.9463, 16.6556



55.8889, 81.8559, 14.7091



36.5942, 63.6995, 15.9977



15.8448, 17.3655, 16.0355



24.5278, 37.1890, 5.8854



2.0265, 2.9720, 0.4668

Inverse Universe

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



25.7292, 14.6577, 81.5980



25.0846, 11.8873, 95.5801



42.9260, 23.5230, 82.4028



14.6957, 14.7884, 19.0021



10.1658, 4.2766, 44.0326



0.8961, 0.3863, 3.4622

Previews

White Background



This preview shows how the XYZ color 50.6498, 70.9431, 16.6541 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 50.6498, 70.9431, 16.6541 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 50.6498, 70.9431, 16.6541

Background



This preview shows how black text looks on a background with the XYZ color 50.6498, 70.9431, 16.6541.

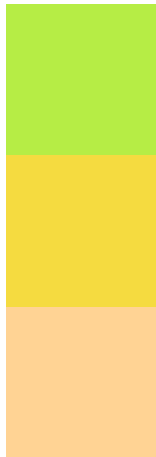


This preview shows how white text looks on a background with the XYZ color 50.6498, 70.9431,

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

50.6498, 70.9431, 16.6541

Protanopia

63.9131, 70.4457, 15.0793

Deuteranopia

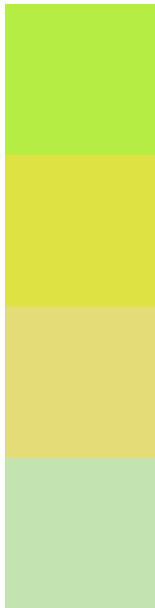
69.8796, 69.9866, 37.8427



Tritanopia

65.7936, 70.5015, 91.8018

Trichromacy



Original Color

50.6498, 70.9431, 16.6541

Protanomaly

58.3039, 70.3157, 15.6536

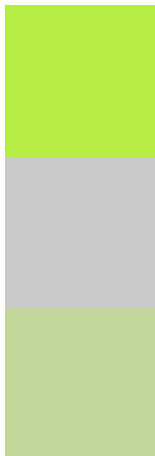
Deuteranomaly

60.9179, 69.0123, 27.5628

Tritanomaly

57.9106, 69.7146, 51.9990

Monochromacy



Original Color

50.6498, 70.9431, 16.6541

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

52.0445, 61.8624, 39.3346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6498, 70.9431, 16.6541 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, 237, 69)` looks like.

```
.text, #text, p{  
    color:rgb(182, 237, 69)  
}
```

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, 237, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 237, 69) }
```

Border

The CSS property to change the border of an element to XYZ 50.6498, 70.9431, 16.6541 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, 237, 69) }
```


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

```
.border{ border-color:rgb(182, 237, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 237, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 237, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 237, 69);  
box-shadow:4px 4px 4px 4px rgb(182, 237,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6498, 70.9431, 16.6541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 237, 69) }
```

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

```
.background{ background-color: rgb(182,  
237, 69) }
```

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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