

Converting Colors

XYZ(51.3717, 70.2856, 16.7164)

Have a look what the booklet for
XYZ(51.3717, 70.2856, 16.7164)
contains.

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Color

**XYZ(51.5529, 70.5502,
16.6948)**

Conversions

Conversions Part 1

Format	Color
Hex	BCEB46
RGB	188, 235, 70
RGB Percent	74%, 92%, 27%
CMY	0.2627, 0.0784, 0.7255
CMYK	0.20, 0.00, 0.70, 0.08
HSL	77°, 80%, 60%
HSV	77°, 70%, 92%
XYZ	51.5529, 70.5502, 16.6948
YIQ	202.1370, 24.9530, -61.2790

Conversions

Conversions Part 2

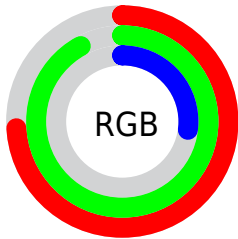
Format	Color
RYB	70, 235, 117
Decimal	12380998
CIELab	87.27, -37.35, 71.00
CIELCh	87, 80.223, 117.746
Yxy	70.5502, 0.3714, 0.5083
Android (android.graphics.Color)	4290571078 (0xFFBCEB46)
YUV	202.1370, -65.1435, -12.3981
Hunter-Lab	83.9942, -37.4323, 47.0114

Details

The XYZ color **51.5529, 70.5502, 16.6948** 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 **24.5244, 14.1623, 80.0423**, and the grayscale version is **56.6096, 59.5577, 64.8583**.

A 20% lighter version of the original color is **78.0141, 92.8527, 34.2327**, and **25.3260, 36.9860, 5.8042** is the 20% darker color. If you saturate the color by 10%, you get **49.3407, 69.4817, 13.4481**, and if you desaturate by 10%, it is **54.1350, 71.7805, 21.4758**.

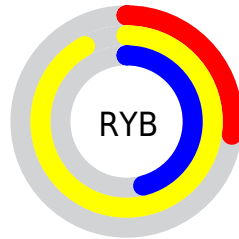
Distribution



Red (74%)

Green (92%)

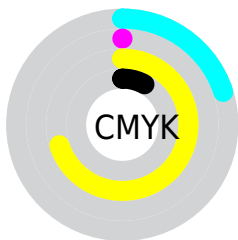
Blue (27%)



Red (27%)

Yellow (92%)

Blue (46%)

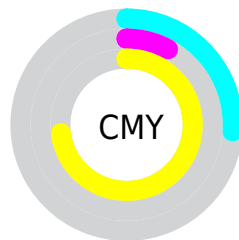


Cyan (20%)

Magenta (0%)

Yellow (70%)

Black (8%)



Cyan (26%)


Magenta (8%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5529, 70.5502, 16.6948 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 51.5529, 70.5502, 16.6948 by changing the saturation by 10% instead.


 51.5529, 70.5502,
16.6948


 51.5529, 70.5502,
16.6948


383.0605,
462.4795, 245.3915

 36.8717, 51.9752,
9.8575


 91.6497, 119.9930,
38.5837


 25.2813, 36.9853,
5.2002


 117.7959,
151.6297, 54.4724


 16.4166, 25.1961,
2.3044


 148.4945,
188.3890, 74.2153

 9.9122, 16.2232,
0.7337

 184.1108,
230.6554, 98.2309

 5.4026, 9.6823,
0.0000

 225.0102,
278.8132, 126.9378

 2.5225, 5.1888,
0.0000

271.5581,

 0.9066, 2.3585,

333.2469, 160.7545

0.0000

324.1197,
394.3409, 200.0996

0.0000, 0.8044,
0.0000

0.0000, 0.0000,
0.0000

51.5529, 70.5502,
16.6948

51.5529, 70.5502,
16.6948

49.3407, 69.4817,
13.4481

54.1350, 71.7805,
21.4758


47.4564, 68.5505,
11.5412


57.1135, 73.1758,
27.9460


45.8703, 67.7507,
10.6596


60.5172, 74.7504,
36.2463


64.3711, 76.5141,
46.5018

 68.6975, 78.4761,
58.8264

 73.5175, 80.6450,
73.3254

 78.8506, 83.0287,
90.0967

 84.2267, 85.4391,
106.6599

 86.5614, 86.6427,
106.7692

Harmonies

Analogous

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



68.4916, 70.5502, 12.7644



51.5529, 70.5502, 16.6948



40.8298, 70.5502, 33.6599

Triad

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



51.5529, 70.5502, 16.6948



49.5082, 70.5502, 202.3432



110.2007, 70.5502, 80.9729

Complementary

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



51.5529, 70.5502, 16.6948



24.5244, 14.1623, 80.0423

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.



102.6290, 70.5502, 146.6241



51.5529, 70.5502, 16.6948



65.6403, 70.5502, 234.2984

Square

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



51.5529, 70.5502, 16.6948



39.8142, 70.5502, 136.0092



85.3915, 70.5502, 210.2310



104.5340, 70.5502, 37.9067

Rectangle

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



51.5529, 70.5502, 16.6948



37.4990, 70.5502, 56.8194



85.3915, 70.5502, 210.2310



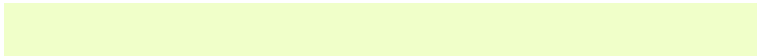
109.0932, 70.5502, 101.0299

Sweetspot

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



51.5545, 70.5534, 16.6963



82.2041, 94.2388, 69.3936



41.7013, 30.7711, 9.5369



17.2765, 20.0268, 13.9310



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.



51.5545, 70.5534, 16.6963



58.3992, 83.1451, 15.0502



36.7304, 62.9112, 16.0025



15.9095, 17.3989, 16.0385



25.6592, 37.7723, 5.9384



2.1086, 3.0143, 0.4707

Inverse Universe

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



24.5244, 14.1623, 80.0423



24.2954, 11.6065, 95.5675



40.8078, 22.5566, 80.8044



14.6342, 14.7567, 18.9993



9.7402, 4.0572, 44.0127



0.8565, 0.3658, 3.4603

Previews

White Background



This preview shows how the XYZ color 51.5529, 70.5502, 16.6948 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 51.5529, 70.5502, 16.6948 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 51.5529, 70.5502, 16.6948

Background



This preview shows how black text looks on a background with the XYZ color 51.5529, 70.5502, 16.6948.

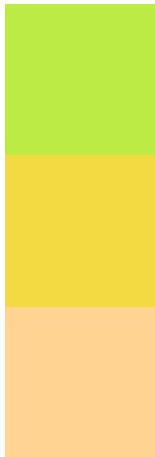


This preview shows how white text looks on a background with the XYZ color 51.5529, 70.5502,

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

51.5529, 70.5502, 16.6948

Protanopia

63.3630, 69.7693, 15.2815

Deuteranopia

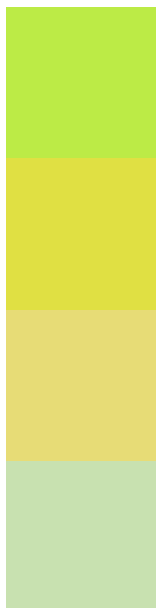
69.7226, 69.9239, 37.0160



Tritanopia

66.3497, 70.0429, 90.1434

Trichromacy



Original Color

51.5529, 70.5502, 16.6948

Protanomaly

58.4092, 69.5639, 15.6589

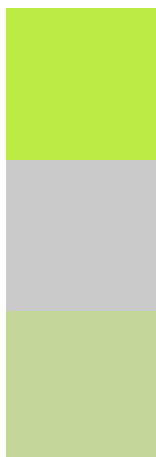
Deuteranomaly

61.8182, 69.4833, 27.2930

Tritanomaly

58.5811, 69.2644, 51.3561

Monochromacy



Original Color

51.5529, 70.5502, 16.6948

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

52.9053, 62.2965, 39.8079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5529, 70.5502, 16.6948 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(188, 235, 70)` looks like.

```
.text, #text, p{  
    color:rgb(188, 235, 70)  
}
```

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(188, 235, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 235, 70) }
```

Border

The CSS property to change the border of an element to XYZ 51.5529, 70.5502, 16.6948 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(188, 235, 70) }
```


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

```
.border{ border-color:rgb(188, 235, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 235, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 235, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 235, 70);  
box-shadow:4px 4px 4px 4px rgb(188, 235,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5529, 70.5502, 16.6948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 235, 70) }
```

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

```
.background{ background-color: rgb(188,  
235, 70) }
```

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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