

Converting Colors

XYZ(57.3712, 81.9946, 21.6069)

Have a look what the booklet for
XYZ(57.3712, 81.9946, 21.6069)
contains.

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Color

**XYZ(57.3712, 81.9946,
21.6069)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFE56
RGB	186, 254, 86
RGB Percent	73%, 100%, 34%
CMY	0.2706, 0.0039, 0.6627
CMYK	0.27, 0.00, 0.66, 0.00
HSL	84°, 99%, 67%
HSV	84°, 66%, 100%
XYZ	57.3712, 81.9946, 21.6069
YIQ	214.5160, 13.4000, -66.6640

Conversions

Conversions Part 2

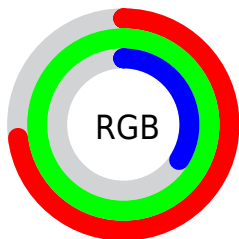
Format	Color
R_{YB}	86, 254, 154
Decimal	12254806
CIE _{Lab}	92.57, -45.42, 70.54
CIE _{LCh}	93, 83.899, 122.781
Yxy	81.9946, 0.3564, 0.5094
Android (android.graphics.Color)	4290444886 (0xFFBAFE56)
YUV	214.5160, -63.3584, -25.0085
Hunter-Lab	90.5509, -45.3700, 49.2381

Details

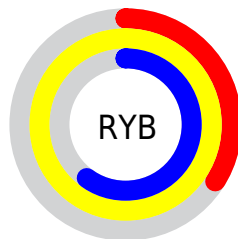
The XYZ color **57.3712, 81.9946, 21.6069** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **34.5472, 20.6838, 95.9422**, and the grayscale version is **64.6743, 68.0424, 74.0982**.

A 20% lighter version of the original color is **78.7240, 93.0960, 39.8067**, and **28.9619, 44.5591, 7.5645** is the 20% darker color. If you saturate the color by 10%, you get **54.1160, 80.4171, 17.0292**, and if you desaturate by 10%, it is **61.1736, 83.8174, 28.1107**.

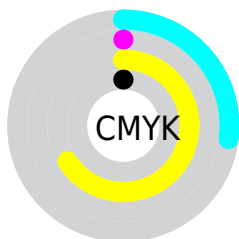
Distribution



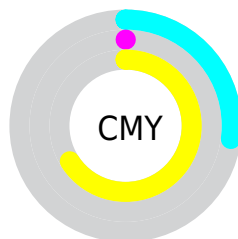
- Red (73%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (60%)



- Cyan (27%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.3712, 81.9946, 21.6069 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 57.3712, 81.9946, 21.6069 by changing the saturation by 10% instead.


 57.3712, 81.9946,
21.6069

 57.3712, 81.9946,
21.6069


404.8305,
501.6296, 273.3727


 41.5446, 61.3611,
13.3728


 100.1349,
136.1664, 46.9893


 28.9344, 44.5166,
7.5520


 127.8027,
170.4735, 64.9746

 19.1753, 31.0769,
3.7260


 160.1482,
210.1073, 87.0474

 11.9017, 20.6574,
1.4763

 197.5370,
255.4521, 113.6262

 6.7485, 12.8738,
0.2002

240.3342,
306.8923, 145.1296

 3.3503, 7.3417,
0.0000

288.9053,

 1.3416, 3.6767,

364.8124, 181.9762

0.0000

343.6156,
429.5967, 224.5843

0.2140, 1.4944,
0.0000

0.0000, 0.2848,
0.0000

57.3712, 81.9946,
21.6069

57.3712, 81.9946,
21.6069

54.1160, 80.4171,
17.0292

61.1736, 83.8174,
28.1107

51.3578, 79.0559,
14.1586

65.5555, 85.8904,
36.7177

49.0443, 77.8924,
12.7314

70.5531, 88.2313,
47.5910

48.2404, 77.4842,
12.4134

76.1974, 90.8529,
60.8760

■ 82.5171, 93.7669,
76.7062

■ 89.5387, 96.9846,
95.2051

94.7336, 99.3672,
108.7945

Harmonies

Analogous

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



75.9177, 81.9946, 15.0438



57.3712, 81.9946, 21.6069



46.2866, 81.9946, 44.8583

Triad

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



57.3712, 81.9946, 21.6069



60.2907, 81.9946, 244.2237



127.7431, 81.9946, 83.5805

Complementary

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



57.3712, 81.9946, 21.6069



34.5472, 20.6838, 95.9422

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.



121.4647, 81.9946, 156.2101



57.3712, 81.9946, 21.6069



79.9845, 81.9946, 270.8621

Square

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



57.3712, 81.9946, 21.6069



47.7382, 81.9946, 171.3182



102.9011, 81.9946, 233.0096



118.7518, 81.9946, 38.7807

Rectangle

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



57.3712, 81.9946, 21.6069



43.3080, 81.9946, 75.0264



102.9011, 81.9946, 233.0096



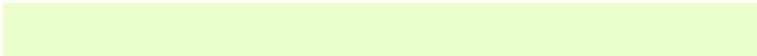
127.3501, 81.9946, 105.2293

Sweetspot

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



57.3731, 81.9982, 21.6087



80.7075, 93.4323, 70.9072



53.9800, 44.5937, 14.5677



16.8922, 19.8219, 14.2205



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.



57.3731, 81.9982, 21.6087



53.7493, 80.7181, 16.1821



42.6948, 74.4313, 20.9217



18.8084, 20.7026, 19.1490



25.6030, 40.9369, 6.5522



2.6166, 4.0497, 0.6438

Inverse Universe

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



34.5472, 20.6838, 95.9422



29.3555, 14.9756, 95.9511



56.2123, 31.8525, 96.9561



17.6991, 17.7366, 22.7406



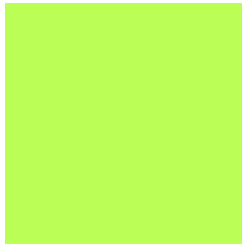
12.5259, 5.3678, 49.8105



1.3394, 0.5844, 4.8555

Previews

White Background



This preview shows how the XYZ color 57.3712, 81.9946, 21.6069 looks on a white background.

Color Contrast Check

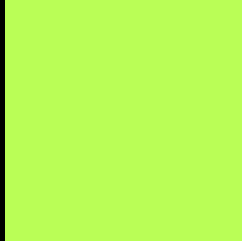
Large Text (above 18pt) WCAG AA × Fail

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 57.3712, 81.9946, 21.6069 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

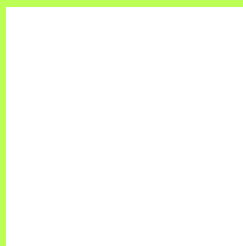
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.3712, 81.9946, 21.6069

Background



This preview shows how black text looks on a background with the XYZ color 57.3712, 81.9946, 21.6069.

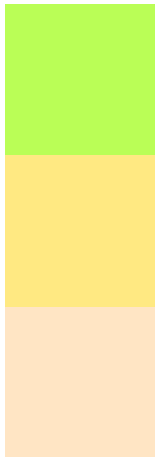


This preview shows how white text looks on a background with the XYZ color 57.3712, 81.9946,

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

57.3712, 81.9946, 21.6069

Protanopia

74.4082, 81.1495, 32.8608

Deuteranopia

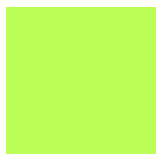
79.2231, 81.2841, 63.7385



Tritanopia

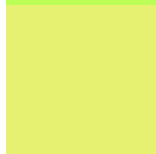
74.6287, 81.3437, 106.3753

Trichromacy



Original Color

57.3712, 81.9946, 21.6069



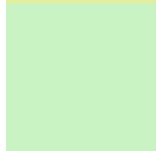
Protanomaly

67.1257, 80.9485, 28.0063



Deuteranomaly

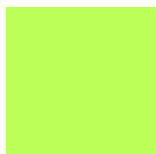
69.2084, 80.3724, 43.3182



Tritanomaly

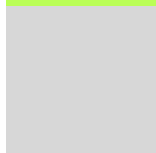
65.8756, 80.4137, 63.0883

Monochromacy



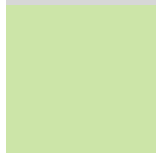
Original Color

57.3712, 81.9946, 21.6069



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

59.9890, 71.7031, 47.7241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.3712, 81.9946, 21.6069 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, 254, 86)` looks like.

```
.text, #text, p{  
    color:rgb(186, 254, 86)  
}
```

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, 254, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 254, 86) }
```

Border

The CSS property to change the border of an element to XYZ 57.3712, 81.9946, 21.6069 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, 254, 86) }
```


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

```
.border{ border-color:rgb(186, 254, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 254, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 254, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 254, 86);  
box-shadow:4px 4px 4px 4px rgb(186, 254,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 57.3712, 81.9946, 21.6069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 254, 86) }
```

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

```
.background{ background-color: rgb(186,  
254, 86) }
```

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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