

Converting Colors

XYZ(57.5838, 82.6180, 19.8356)

Have a look what the booklet for
XYZ(57.5838, 82.6180, 19.8356)
contains.

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Color

**XYZ(57.5580, 82.6066,
19.7485)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFF4C
RGB	187, 255, 76
RGB Percent	73%, 100%, 30%
CMY	0.2667, 0.0000, 0.7019
CMYK	0.27, 0.00, 0.70, 0.00
HSL	83°, 100%, 65%
HSV	83°, 70%, 100%
XYZ	57.5580, 82.6066, 19.7485
YIQ	214.2620, 16.9310, -70.0850

Conversions

Conversions Part 2

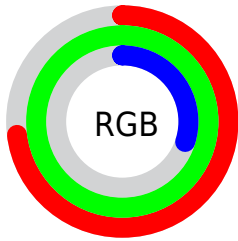
Format	Color
RYB	76, 255, 144
Decimal	12320588
CIELab	92.84, -46.13, 74.45
CIELCh	93, 87.580, 121.782
Yxy	82.6066, 0.3599, 0.5166
Android (android.graphics.Color)	4290510668 (0xFFBBFF4C)
YUV	214.2620, -68.1632, -23.9088
Hunter-Lab	90.8882, -46.0132, 50.7390

Details

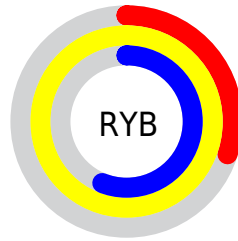
The XYZ color **57.5580, 82.6066, 19.7485** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **32.1377, 18.3197, 96.4499**, and the grayscale version is **64.5300, 67.8906, 73.9328**.

A 20% lighter version of the original color is **78.4208, 93.0154, 36.3748**, and **29.2473, 45.0553, 7.1550** is the 20% darker color. If you saturate the color by 10%, you get **54.5493, 81.1385, 15.8614**, and if you desaturate by 10%, it is **61.0779, 84.2977, 25.4943**.

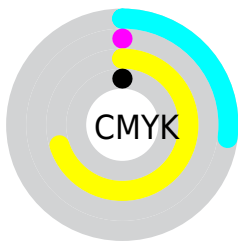
Distribution



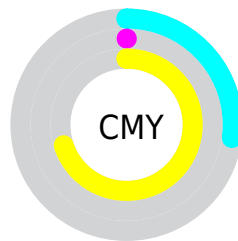
- Red (73%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (56%)



- Cyan (27%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5580, 82.6066, 19.7485 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 57.5580, 82.6066, 19.7485 by changing the saturation by 10% instead.


 57.5580, 82.6066,
19.7485


 57.5580, 82.6066,
19.7485


405.5174,
503.6745, 263.1094


 41.6953, 61.8657,
12.0301


 100.4056,
137.0243, 43.8485


 29.0528, 44.9242,
6.6414


 128.1212,
171.4699, 61.0673


 19.2653, 31.3977,
3.1638


 160.5185,
211.2525, 82.2898

 11.9673, 20.9019,
1.1789

 197.9628,
256.7565, 107.9348

 6.7934, 13.0523,
0.0000

 240.8195,
308.3663, 138.4207

 3.3784, 7.4646,
0.0000

289.4539,

 1.3569, 3.7543,

366.4663, 174.1661

0.0000

344.2314,
431.4409, 215.5894

■ 0.2252, 1.5371,
0.0000

■ 0.0000, 0.3146,
0.0000

■ 57.5580, 82.6066,
19.7485

■ 57.5580, 82.6066,
19.7485

■ 54.5493, 81.1385,
15.8614

■ 61.0779, 84.2977,
25.4943

■ 52.0041, 79.8739,
13.5964

■ 65.1489, 86.2280,
33.2908

■ 49.8850, 78.8017,
12.5810

■ 69.8063, 88.4120,
43.3097

■ 75.0821, 90.8629,
55.7038

■ 81.0055, 93.5927,
70.6125

■ 87.6035, 96.6124,
88.1642

94.9016, 99.9327,
108.4787

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



77.1553, 82.6066, 13.6598



57.5580, 82.6066, 19.7485



45.7933, 82.6066, 42.5744

Triad

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



57.5580, 82.6066, 19.7485



59.5056, 82.6066, 252.7979



131.1759, 82.6066, 86.0840

Complementary

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



57.5580, 82.6066, 19.7485



32.1377, 18.3197, 96.4499

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.



123.9839, 82.6066, 163.5926



57.5580, 82.6066, 19.7485



79.8908, 82.6066, 283.6591

Square

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



57.5580, 82.6066, 19.7485



46.7547, 82.6066, 173.9116



104.0264, 82.6066, 245.0766



122.1384, 82.6066, 38.5851

Rectangle

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



57.5580, 82.6066, 19.7485



42.5408, 82.6066, 73.1190



104.0264, 82.6066, 245.0766



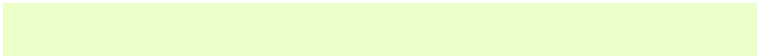
130.5712, 82.6066, 109.1714

Sweetspot

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



57.5581, 82.6066, 19.7497



80.5032, 93.3619, 69.3140



52.1639, 41.0201, 12.0070



16.8699, 19.8172, 13.9120



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.



57.5581, 82.6066, 19.7497



53.5288, 80.6343, 14.8223



42.3061, 74.7439, 19.0359



18.8535, 20.7259, 19.1511



26.2374, 41.2640, 6.5819



2.6763, 4.0804, 0.6465

Inverse Universe

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



32.1377, 18.3197, 96.4499



26.8870, 12.9425, 95.6888



53.6332, 29.4010, 97.4559



17.6552, 17.7140, 22.7386



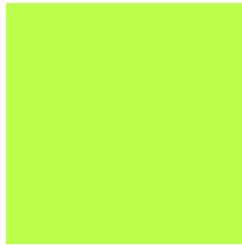
12.1532, 5.1757, 49.7930



1.3002, 0.5642, 4.8536

Previews

White Background



This preview shows how the XYZ color 57.5580, 82.6066, 19.7485 looks on a white background.

Color Contrast Check

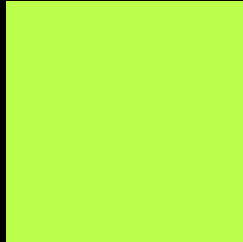
Large Text (above 18pt) WCAG AA × Fail

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 57.5580, 82.6066, 19.7485 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 57.5580, 82.6066, 19.7485

Background



This preview shows how black text looks on a background with the XYZ color 57.5580, 82.6066, 19.7485.

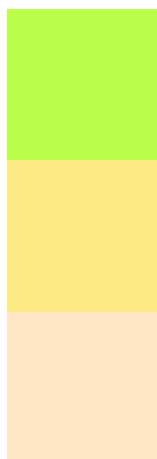


This preview shows how white text looks on a background with the XYZ color 57.5580, 82.6066,

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

57.5580, 82.6066, 19.7485

Protanopia

75.1068, 81.8832, 35.1390

Deuteranopia

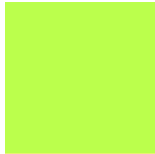
79.7299, 81.9308, 65.0381



Tritanopia

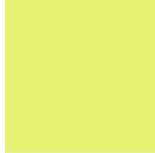
75.7759, 82.3661, 106.5122

Trichromacy



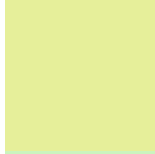
Original Color

57.5580, 82.6066, 19.7485



Protanomaly

67.4225, 81.5422, 28.1053



Deuteranomaly

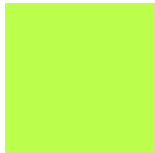
69.3324, 80.8891, 42.5308



Tritanomaly

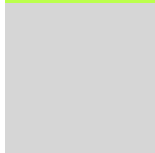
66.2735, 81.1156, 60.8791

Monochromacy



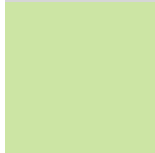
Original Color

57.5580, 82.6066, 19.7485



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.6220, 71.5563, 45.7913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5580, 82.6066, 19.7485 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(187, 255, 76)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 76)  
}
```

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(187, 255, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 76) }
```

Border

The CSS property to change the border of an element to XYZ 57.5580, 82.6066, 19.7485 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(187, 255, 76) }
```


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

```
.border{ border-color:rgb(187, 255, 76) }
```

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

Here you see how a box with a 4 pixel rgb(187, 255, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 76);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5580, 82.6066, 19.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 76) }
```

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

```
.background{ background-color: rgb(187,  
255, 76) }
```

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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