

Converting Colors

XYZ(58.5776, 83.0059, 25.5047)

Have a look what the booklet for
XYZ(58.5776, 83.0059, 25.5047)
contains.

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Color

**XYZ(58.6518, 83.0441,
25.5082)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFF66
RGB	187, 255, 102
RGB Percent	73%, 100%, 40%
CMY	0.2667, 0.0000, 0.6000
CMYK	0.27, 0.00, 0.60, 0.00
HSL	87°, 100%, 70%
HSV	87°, 60%, 100%
XYZ	58.6518, 83.0441, 25.5082
YIQ	217.2260, 8.5850, -61.9990

Conversions

Conversions Part 2

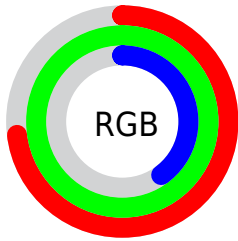
Format	Color
RYB	102, 255, 170
Decimal	12320614
CIELab	93.03, -44.29, 64.70
CIELCh	93, 78.406, 124.396
Yxy	83.0441, 0.3508, 0.4967
Android (android.graphics.Color)	4290510694 (0xFFBBFF66)
YUV	217.2260, -56.8064, -26.5082
Hunter-Lab	91.1285, -44.5894, 47.1938

Details

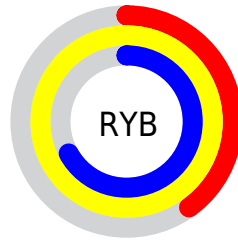
The XYZ color **58.6518, 83.0441, 25.5082** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **39.3804, 25.2702, 97.4098**, and the grayscale version is **66.4816, 69.9438, 76.1689**.

A 20% lighter version of the original color is **79.9376, 93.5815, 46.1976**, and **29.8546, 45.3158, 9.5562** is the 20% darker color. If you saturate the color by 10%, you get **54.9112, 81.2401, 19.7166**, and if you desaturate by 10%, it is **63.0005, 85.1166, 33.3602**.

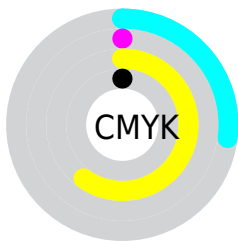
Distribution



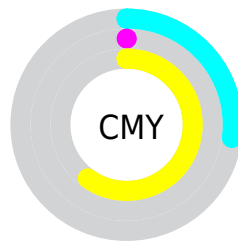
- Red (73%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (67%)



- Cyan (27%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6518, 83.0441, 25.5082 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 58.6518, 83.0441, 25.5082 by changing the saturation by 10% instead.

 58.6518, 83.0441,
25.5082

 58.6518, 83.0441,
25.5082


409.5251,
505.1335, 293.8877


 42.5782, 62.2265,
16.2336


 101.9889,
137.6372, 53.4548

 29.7474, 45.2158,
9.5335


 129.9832,
172.1816, 72.9639

 19.7940, 31.6274,
4.9892

 162.6817,
212.0703, 96.7216

 12.3528, 21.0771,
2.1823

 200.4497,
257.6878, 125.1464

 7.0583, 13.1804,
0.6641

243.6528,
309.4185, 158.6569

 3.5453, 7.5529,
0.0000

292.6561,

 1.4482, 3.8102,

367.6467, 197.6715

0.0000

347.8251,
432.7569, 242.6090

■ 0.2902, 1.5680,
0.0000

■ 0.0000, 0.3359,
0.0000

■ 58.6518, 83.0441,
25.5082

■ 58.6518, 83.0441,
25.5082

■ 54.9112, 81.2401,
19.7166

■ 63.0005, 85.1166,
33.3602

■ 51.7362, 79.6870,
15.7868


■ 67.9938, 87.4729,
43.4393


■ 49.0776, 78.3646,
13.4877

■ 73.6657, 90.1270,
55.8992

■ 46.8580, 77.2412,
12.4395

■ 80.0471, 93.0917,
70.8792

 46.8576, 77.2410,
12.4394

 87.1667, 96.3792,
88.5075

95.0500, 100.0000,
108.9000

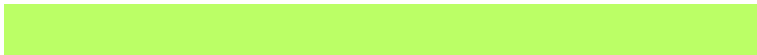
Harmonies

Analogous

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



75.9416, 83.0441, 18.0238



58.6518, 83.0441, 25.5082



48.3969, 83.0441, 49.8116

Triad

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



58.6518, 83.0441, 25.5082



63.0604, 83.0441, 235.6335



125.2339, 83.0441, 82.0235

Complementary

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



58.6518, 83.0441, 25.5082



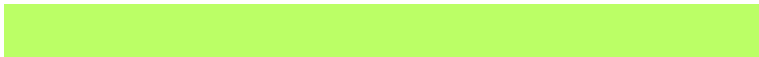
39.3804, 25.2702, 97.4098

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.



120.1843, 83.0441, 148.6548



58.6518, 83.0441, 25.5082



81.9977, 83.0441, 256.6369

Square

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



58.6518, 83.0441, 25.5082



50.6153, 83.0441, 170.5738



103.4164, 83.0441, 219.5904



116.2212, 83.0441, 40.3846

Rectangle

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



58.6518, 83.0441, 25.5082



45.7819, 83.0441, 79.8165



103.4164, 83.0441, 219.5904



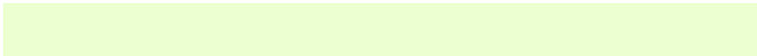
125.1352, 83.0441, 101.9253

Sweetspot

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



58.6520, 83.0442, 25.5094



81.4098, 93.7225, 74.1860



57.6971, 50.3365, 19.2465



17.0024, 19.8648, 14.8557



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.



58.6520, 83.0442, 25.5094



54.2318, 80.9097, 18.7876



44.8666, 75.9376, 24.8643



18.7367, 20.6657, 19.1457



24.6587, 40.4501, 6.5080



2.5267, 4.0033, 0.6395

Inverse Universe

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



39.3804, 25.2702, 97.4098



33.4661, 18.5501, 96.4244



60.3884, 36.1002, 98.3930



17.7694, 17.7728, 22.7439



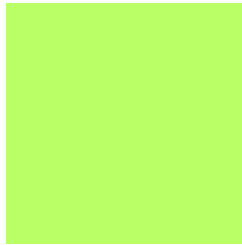
13.1781, 5.7040, 49.8410



1.4064, 0.6189, 4.8586

Previews

White Background



This preview shows how the XYZ color 58.6518, 83.0441, 25.5082 looks on a white background.

Color Contrast Check

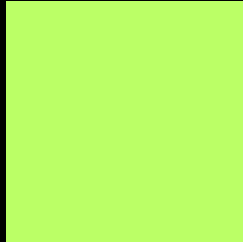
Large Text (above 18pt) WCAG AA × Fail

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 58.6518, 83.0441, 25.5082 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 58.6518, 83.0441, 25.5082

Background



This preview shows how black text looks on a background with the XYZ color 58.6518, 83.0441, 25.5082.



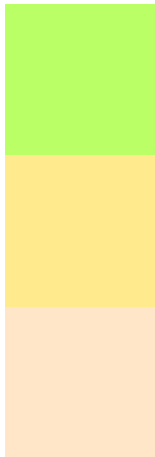
This preview shows how white text looks on a background with the XYZ color 58.6518, 83.0441,

25.5082.

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

58.6518, 83.0441, 25.5082

Protanopia

75.5453, 82.0586, 37.4484

Deuteranopia

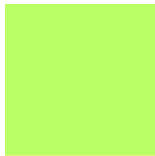
80.0794, 82.0707, 66.8789



Tritanopia

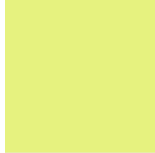
75.7759, 82.3661, 106.5122

Trichromacy



Original Color

58.6518, 83.0441, 25.5082



Protanomaly

68.2160, 81.8596, 32.2838



Deuteranomaly

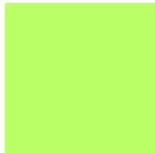
70.2912, 81.2726, 47.5798



Tritanomaly

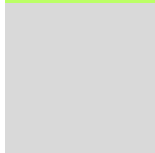
67.2881, 81.5214, 66.2216

Monochromacy



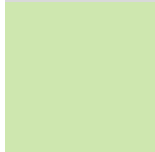
Original Color

58.6518, 83.0441, 25.5082



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.7674, 73.3688, 51.4635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6518, 83.0441, 25.5082 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 58.6518, 83.0441, 25.5082 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, 102) }
```


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

```
.border{ border-color:rgb(187, 255, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6518, 83.0441, 25.5082 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, 102) }
```

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

```
.background{ background-color: rgb(187,  
255, 102) }
```

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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