

Converting Colors

XYZ(65.6667, 86.1011, 51.1056)

Have a look what the booklet for
XYZ(65.6667, 86.1011, 51.1056)
contains.

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Color

**XYZ(65.7806, 86.1580,
51.1934)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFAA
RGB	196, 255, 170
RGB Percent	77%, 100%, 67%
CMY	0.2314, 0.0000, 0.3333
CMYK	0.23, 0.00, 0.33, 0.00
HSL	102°, 100%, 83%
HSV	102°, 33%, 100%
XYZ	65.7806, 86.1580, 51.1934
YIQ	227.6690, -7.8790, -38.9430

Conversions

Conversions Part 2

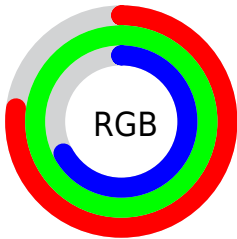
Format	Color
RYB	170, 255, 229
Decimal	12910506
CIELab	94.38, -33.50, 34.79
CIELCh	94, 48.300, 133.919
Yxy	86.1580, 0.3238, 0.4241
Android (android.graphics.Color)	4291100586 (0xFFC4FFAA)
YUV	227.6690, -28.4308, -27.7737
Hunter-Lab	92.8213, -35.9380, 32.2749

Details

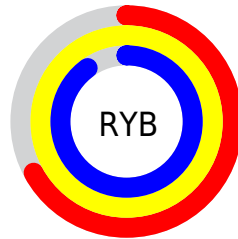
The XYZ color **65.7806, 86.1580, 51.1934** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.7390, 52.6288, 101.3540**, and the grayscale version is **73.7057, 77.5441, 84.4455**.

A 20% lighter version of the original color is **90.3605, 98.0818, 86.1207**, and **34.3895, 47.3352, 24.1537** is the 20% darker color. If you saturate the color by 10%, you get **59.2616, 83.0496, 39.4942**, and if you desaturate by 10%, it is **73.3116, 89.7341, 65.3847**.

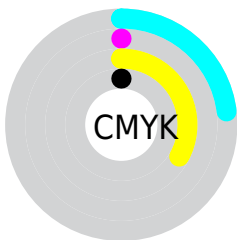
Distribution



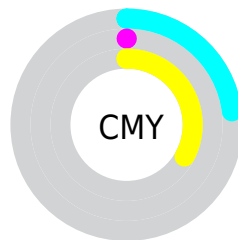
- Red (77%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.7806, 86.1580, 51.1934 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 65.7806, 86.1580, 51.1934 by changing the saturation by 10% instead.


 65.7806, 86.1580,
51.1934

 65.7806, 86.1580,
51.1934


435.0928,
515.4521, 408.1827

 48.3614, 64.7986,
35.9848


 112.2309,
141.9900, 93.3550

 34.3256, 47.2978,
24.1328


141.9926,
177.2313, 121.1451

 23.3079, 33.2712,
15.2191


176.5992,
217.8688, 153.9660

 14.9430, 22.3342,
8.8249

216.4160,
264.2869, 192.2363

 8.8654, 14.1027,
4.5319

261.8085,
316.8698, 236.3746

 4.7099, 8.1921,
1.9215

313.1418,

 2.1111, 4.2181,

376.0020, 286.7994

0.5063

370.7815,
442.0680, 343.9293

0.6952, 1.7963,
0.0000

0.0000, 0.4849,
0.0000

65.7806, 86.1580,
51.1934

65.7806, 86.1580,
51.1934

59.2616, 83.0496,
39.4942

73.3116, 89.7341,
65.3847

53.7074, 80.3875,
30.1393

81.8962, 93.7964,
82.1966

49.0684, 78.1499,
22.9713

91.5750, 98.3632,
101.7533

45.2900, 76.3124,
17.8120

95.0500, 100.0000,
108.9000

■ 42.3105, 74.8476,
14.4550

■ 40.0581, 73.7240,
12.6493

■ 38.9016, 73.1395,
12.0670

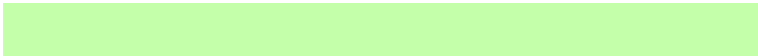
Harmonies

Analogous

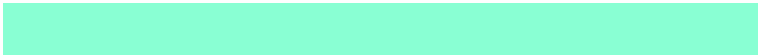
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0366, 86.1580, 40.1580



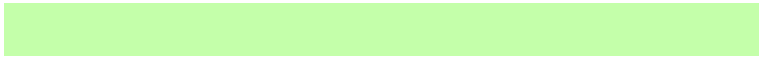
65.7806, 86.1580, 51.1934



60.1878, 86.1580, 75.3844

Triad

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



65.7806, 86.1580, 51.1934



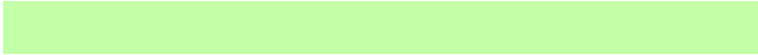
75.1745, 86.1580, 180.5416



108.5625, 86.1580, 77.6574

Complementary

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



65.7806, 86.1580, 51.1934



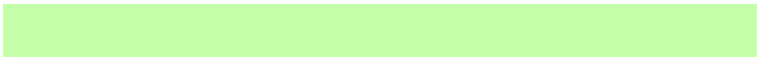
64.7390, 52.6288, 101.3540

Split Complementary

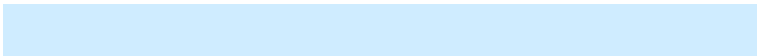
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.2687, 86.1580, 115.0204



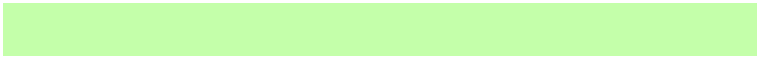
65.7806, 86.1580, 51.1934



88.0376, 86.1580, 181.6232

Square

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



65.7806, 86.1580, 51.1934



65.2071, 86.1580, 152.5900



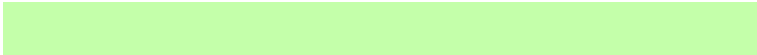
100.4370, 86.1580, 155.2416



101.2015, 86.1580, 52.4769

Rectangle

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



65.7806, 86.1580, 51.1934



59.4435, 86.1580, 98.7780



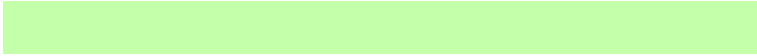
100.4370, 86.1580, 155.2416



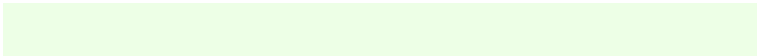
109.3779, 86.1580, 89.0141

Sweetspot

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



65.7811, 86.1582, 51.1947



84.9980, 95.2613, 88.4027



76.2625, 79.6955, 49.3948



17.9099, 20.2561, 18.3536



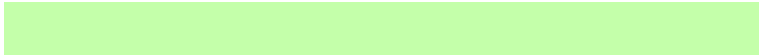
0.0000, 0.0000, 0.0000



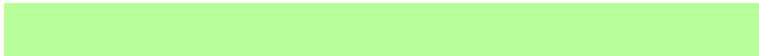
20.3446, 21.4041, 23.3091

Same Dimension

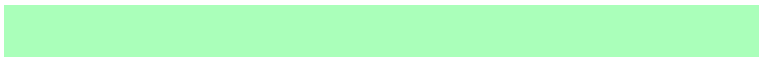
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.7811, 86.1582, 51.1947



61.3245, 84.0348, 43.1252



61.1571, 83.5939, 59.1356



18.2940, 20.4375, 19.1250



20.4593, 38.2853, 6.3115



2.0977, 3.7822, 0.6195

Inverse Universe

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



64.7390, 52.6288, 101.3540



60.1202, 45.8181, 100.2828



71.2569, 56.2671, 89.0898



18.2202, 18.0053, 22.7650



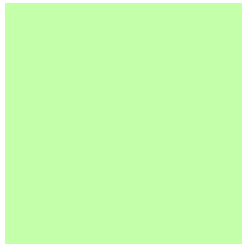
19.0654, 8.7391, 50.1165



1.9678, 0.9084, 4.8849

Previews

White Background



This preview shows how the XYZ color 65.7806, 86.1580, 51.1934 looks on a white background.

Color Contrast Check

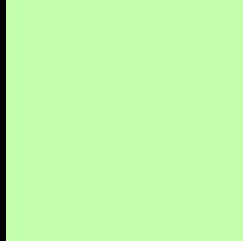
Large Text (above 18pt) WCAG AA × Fail

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 65.7806, 86.1580, 51.1934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

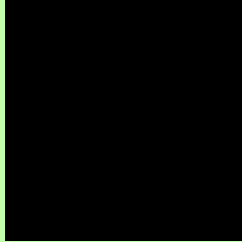
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7806, 86.1580, 51.1934

Background



This preview shows how black text looks on a background with the XYZ color 65.7806, 86.1580, 51.1934.

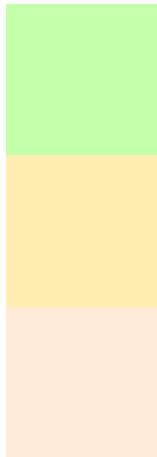


This preview shows how white text looks on a background with the XYZ color 65.7806, 86.1580,

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

65.7806, 86.1580, 51.1934

Protanopia

79.6510, 85.5437, 53.3878

Deuteranopia

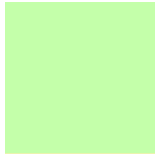
83.6032, 85.7386, 78.4725



Tritanopia

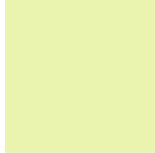
79.3173, 85.9399, 107.0153

Trichromacy



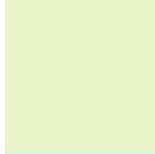
Original Color

65.7806, 86.1580, 51.1934



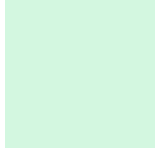
Protanomaly

73.9223, 85.2498, 52.6031



Deuteranomaly

76.2264, 85.2137, 67.6887



Tritanomaly

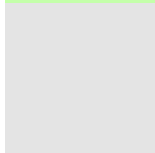
73.5793, 85.7522, 83.1948

Monochromacy



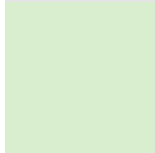
Original Color

65.7806, 86.1580, 51.1934



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.1559, 80.2530, 70.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7806, 86.1580, 51.1934 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(196, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 170)  
}
```

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(196, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 170) }
```

Border

The CSS property to change the border of an element to XYZ 65.7806, 86.1580, 51.1934 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(196, 255, 170) }
```


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

```
.border{ border-color:rgb(196, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7806, 86.1580, 51.1934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 170) }
```

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

```
.background{ background-color: rgb(196,  
255, 170) }
```

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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