

Converting Colors

XYZ(66.7722, 89.3296, 46.7576)

Have a look what the booklet for
XYZ(66.7722, 89.3296, 46.7576)
contains.

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Color

**XYZ(65.1311, 85.9284,
46.4108)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFA0
RGB	197, 255, 160
RGB Percent	77%, 100%, 63%
CMY	0.2274, 0.0000, 0.3725
CMYK	0.23, 0.00, 0.37, 0.00
HSL	97°, 100%, 81%
HSV	97°, 37%, 100%
XYZ	65.1311, 85.9284, 46.4108
YIQ	226.8280, -4.0730, -41.8410

Conversions

Conversions Part 2

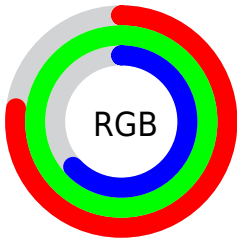
Format	Color
RYB	160, 255, 218
Decimal	12976032
CIELab	94.28, -34.54, 39.62
CIElCh	94, 52.566, 131.078
Yxy	85.9284, 0.3298, 0.4351
Android (android.graphics.Color)	4291166112 (0xFFC5FFA0)
YUV	226.8280, -32.9462, -26.1592
Hunter-Lab	92.6976, -36.8032, 35.2036

Details

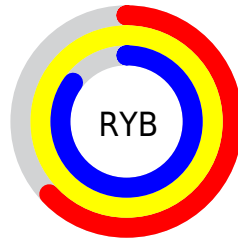
The XYZ color **65.1311, 85.9284, 46.4108** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.5355, 47.2684, 100.5936**, and the grayscale version is **73.1222, 76.9302, 83.7770**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **33.8324, 47.1124, 21.2204** is the 20% darker color. If you saturate the color by 10%, you get **59.2557, 83.1313, 35.6614**, and if you desaturate by 10%, it is **71.8859, 89.1258, 59.5920**.

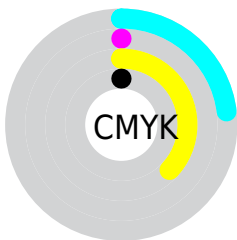
Distribution



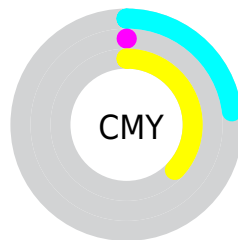
- Red (77%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (85%)



- Cyan (23%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1311, 85.9284, 46.4108 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 65.1311, 85.9284, 46.4108 by changing the saturation by 10% instead.


 65.1311, 85.9284,
46.4108


 65.1311, 85.9284,
46.4108


432.8007,
514.6951, 388.7832

 47.8325, 64.6088,
32.2191


 111.3030,
141.6696, 86.1742

 33.9049, 47.1439,
21.2627


 140.9070,
176.8599, 112.5830

 22.9831, 33.1494,
13.1231

175.3434,
217.4426, 143.9013

 14.7017, 22.2409,
7.3816

214.9778,
263.8020, 180.5475

 8.6952, 14.0341,
3.6198

260.1753,
316.3226, 222.9403

 4.5984, 8.1444,
1.4192

311.3014,

 2.0460, 4.1875,

375.3887, 271.4981

0.1566

368.7214,
441.3847, 326.6396

■ 0.6596, 1.7790,
0.0000

■ 0.0000, 0.4740,
0.0000

■ 65.1311, 85.9284,
46.4108

■ 65.1311, 85.9284,
46.4108

■ 59.2557, 83.1313,
35.6614

■ 71.8859, 89.1258,
59.5920

■ 54.2176, 80.7164,
27.1910

■ 79.5569, 92.7398,
75.3374

■ 49.9727, 78.6643,
20.8357

■ 88.1800, 96.7861,
93.7744

■ 46.4713, 76.9537,
16.4076

95.0500, 100.0000,
108.9000

■ 43.6568, 75.5601,
13.6862

■ 41.4595, 74.4538,
12.3870

■ 40.9398, 74.1903,
12.1624

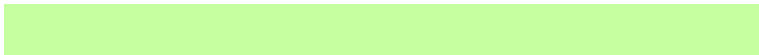
Harmonies

Analogous

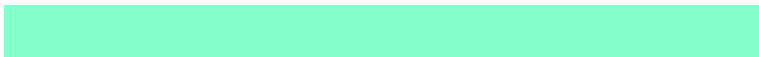
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5760, 85.9284, 36.2021



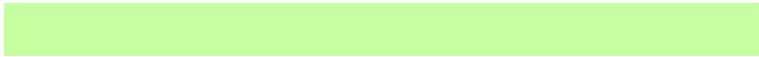
65.1311, 85.9284, 46.4108



58.6295, 85.9284, 70.5868

Triad

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



65.1311, 85.9284, 46.4108



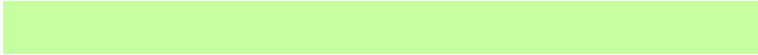
73.1975, 85.9284, 187.8352



111.2521, 85.9284, 79.4293

Complementary

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



65.1311, 85.9284, 46.4108



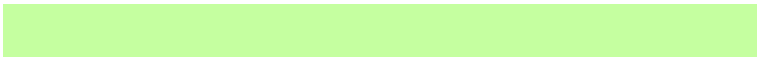
59.5355, 47.2684, 100.5936

Split Complementary

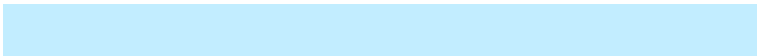
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.0775, 85.9284, 121.0477



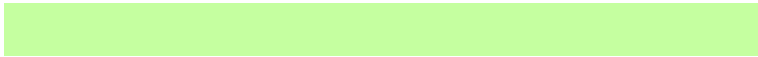
65.1311, 85.9284, 46.4108



86.9900, 85.9284, 192.2412

Square

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



65.1311, 85.9284, 46.4108



62.9033, 85.9284, 154.3728



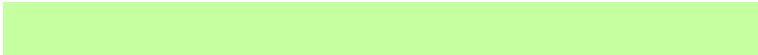
100.8009, 85.9284, 165.0919



103.8466, 85.9284, 51.2748

Rectangle

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



65.1311, 85.9284, 46.4108



57.4673, 85.9284, 95.0291



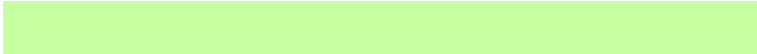
100.8009, 85.9284, 165.0919



111.8678, 85.9284, 92.1089

Sweetspot

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



65.1315, 85.9285, 46.4121



84.8359, 95.2187, 86.5446



72.3986, 73.4245, 43.6155



17.9065, 20.2626, 17.9846



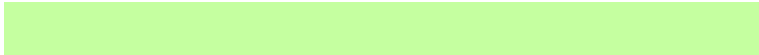
0.0000, 0.0000, 0.0000



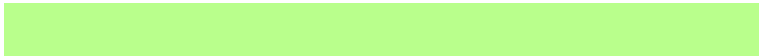
20.3446, 21.4041, 23.3091

Same Dimension

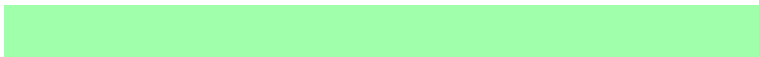
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1315, 85.9285, 46.4121



60.5053, 83.7277, 37.8798



57.4665, 81.8774, 50.5591



18.4406, 20.5130, 19.1318



21.5468, 38.8459, 6.3624



2.2160, 3.8432, 0.6250

Inverse Universe

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



59.5355, 47.2684, 100.5936



54.1312, 39.7964, 99.4362



70.3692, 53.0258, 93.3133



18.0676, 17.9266, 22.7579



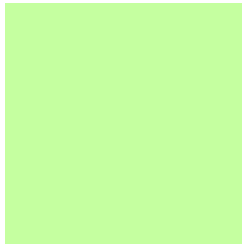
16.7362, 7.5383, 50.0075



1.7521, 0.7971, 4.8748

Previews

White Background



This preview shows how the XYZ color 65.1311, 85.9284, 46.4108 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 65.1311, 85.9284, 46.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

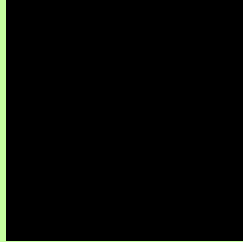
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

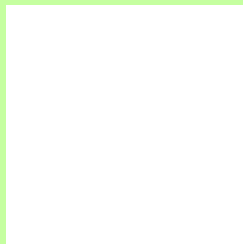
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1311, 85.9284, 46.4108

Background



This preview shows how black text looks on a background with the XYZ color 65.1311, 85.9284, 46.4108.

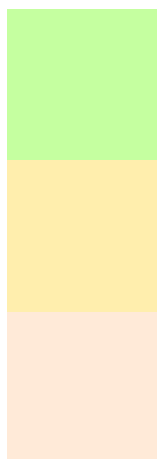


This preview shows how white text looks on a background with the XYZ color 65.1311, 85.9284,

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

65.1311, 85.9284, 46.4108

Protanopia

79.3574, 85.4262, 51.8415

Deuteranopia

83.0575, 85.0635, 77.0070



Tritanopia

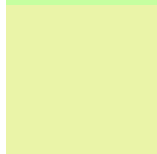
79.3241, 85.5027, 106.9306

Trichromacy



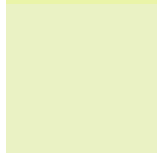
Original Color

65.1311, 85.9284, 46.4108



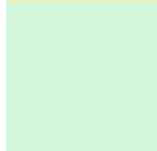
Protanomaly

73.3503, 85.0209, 49.5905



Deuteranomaly

75.6476, 84.9822, 64.6407



Tritanomaly

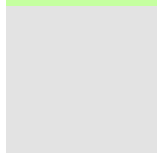
73.0254, 85.0759, 80.2826

Monochromacy



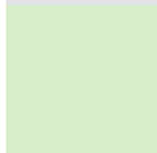
Original Color

65.1311, 85.9284, 46.4108



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.3826, 79.4791, 68.1841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1311, 85.9284, 46.4108 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(197, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 160)  
}
```

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(197, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 65.1311, 85.9284, 46.4108 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(197, 255, 160) }
```


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

```
.border{ border-color:rgb(197, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1311, 85.9284, 46.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 160) }
```

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

```
.background{ background-color: rgb(197,  
255, 160) }
```

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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