

Converting Colors

XYZ(66.7029, 85.7081, 80.8318)

Have a look what the booklet for
XYZ(66.7029, 85.7081, 80.8318)
contains.

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Color

**XYZ(66.4915, 85.3980,
80.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FEDC
RGB	177, 254, 220
RGB Percent	69%, 100%, 86%
CMY	0.3059, 0.0039, 0.1372
CMYK	0.30, 0.00, 0.13, 0.00
HSL	154°, 97%, 85%
HSV	154°, 30%, 100%
XYZ	66.4915, 85.3980, 80.6891
YIQ	227.1010, -34.9780, -26.8980

Conversions

Conversions Part 2

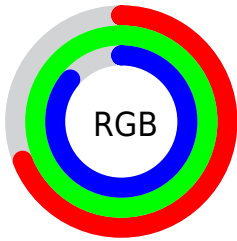
Format	Color
RYB	177, 226, 254
Decimal	11665116
CIELab	94.05, -30.51, 8.76
CIELCh	94, 31.745, 163.979
Yxy	85.3980, 0.2859, 0.3672
Android (android.graphics.Color)	4289855196 (0xFFB1FEDC)
YUV	227.1010, -3.5008, -43.9386
Hunter-Lab	92.4110, -33.2852, 12.9184

Details

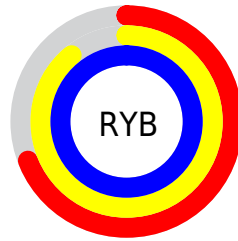
The XYZ color **66.4915, 85.3980, 80.6891** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.3560, 57.2203, 69.0733**, and the grayscale version is **73.1319, 76.9404, 83.7881**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **34.7838, 46.7867, 42.7947** is the 20% darker color. If you saturate the color by 10%, you get **59.7999, 82.1166, 72.8808**, and if you desaturate by 10%, it is **74.3643, 89.2814, 89.0767**.

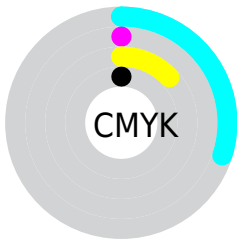
Distribution



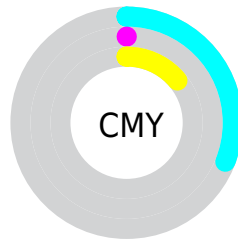
- Red (69%)
- Green (100%)
- Blue (86%)



- Red (69%)
- Yellow (89%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.4915, 85.3980, 80.6891 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 66.4915, 85.3980, 80.6891 by changing the saturation by 10% instead.


 66.4915, 85.3980,
80.6891

 66.4915, 85.3980,
80.6891


437.5936,
512.9441, 517.0200

 48.9407, 64.1703,
59.7561

 113.2453,
140.9291, 136.1543

 34.7868, 46.7886,
42.7980


143.1790,
176.0013, 171.5235

 23.6644, 32.8686,
29.3965


177.9710,
216.4571, 212.5419

 15.2083, 22.0258,
19.1328

217.9867,
262.6809, 259.6280

 9.0529, 13.8758,
11.5885

263.5915,
315.0571, 313.2003

 4.8331, 8.0344,
6.3450

315.1506,

 2.1834, 4.1169,

373.9701, 373.6774

2.9838

373.0296,
439.8043, 441.4778

■ 0.7340, 1.7392,
1.0864

■ 0.0000, 0.4488,
0.0000

■ 66.4915, 85.3980,
80.6891

■ 66.4915, 85.3980,
80.6891

■ 59.7999, 82.1166,
72.8808

■ 74.3643, 89.2814,
89.0767

■ 54.2207, 79.3950,
65.6329

■ 83.4683, 93.7855,
98.0503

■ 49.6884, 77.2021,
58.9339

■ 93.8591, 98.9411,
107.6239

■ 46.1277, 75.4993,
52.7693

■ 94.7334, 99.3667,
108.7945

■ 43.4524, 74.2423,
47.1241

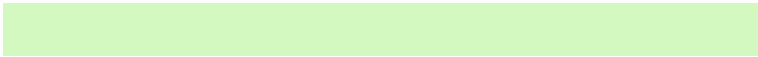
■ 41.5598, 73.3785,
41.9818

■ 40.3139, 72.8349,
37.4624

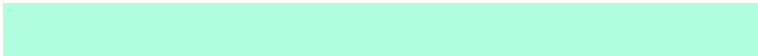
Harmonies

Analogous

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



70.3705, 85.3980, 63.2817



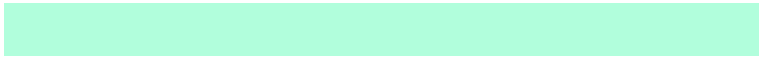
66.4915, 85.3980, 80.6891



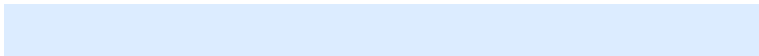
66.3600, 85.3980, 104.7191

Triad

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



66.4915, 85.3980, 80.6891



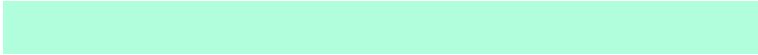
85.1686, 85.3980, 146.0210



93.4682, 85.3980, 64.1963

Complementary

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



66.4915, 85.3980, 80.6891



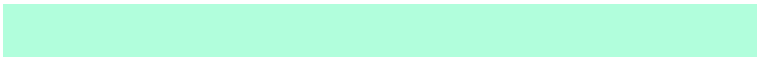
68.3560, 57.2203, 69.0733

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.



98.0303, 85.3980, 82.1599



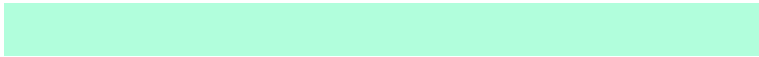
66.4915, 85.3980, 80.6891



93.0177, 85.3980, 130.7722

Square

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



66.4915, 85.3980, 80.6891



76.7533, 85.3980, 145.4401



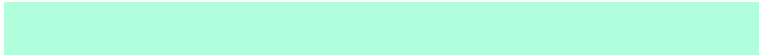
97.8599, 85.3980, 106.4682



85.7493, 85.3980, 54.9539

Rectangle

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



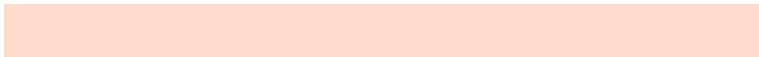
66.4915, 85.3980, 80.6891



68.3913, 85.3980, 121.5814



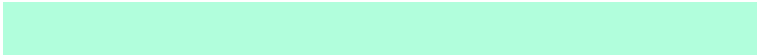
97.8599, 85.3980, 106.4682



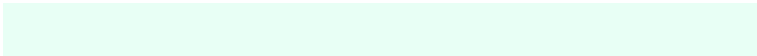
95.4450, 85.3980, 69.2640

Sweetspot

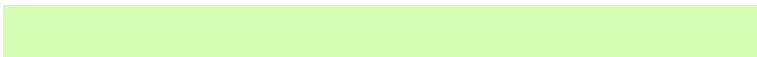
The Sweet Spot groups the original color and five complimentary colors.



66.4939, 85.4015, 80.6910



85.5159, 95.2685, 100.1602



70.4310, 88.0067, 54.8710



17.9955, 20.2385, 21.1459



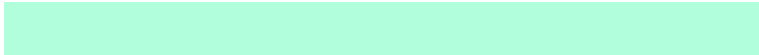
0.0000, 0.0000, 0.0000



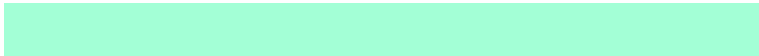
20.3446, 21.4041, 23.3091

Same Dimension

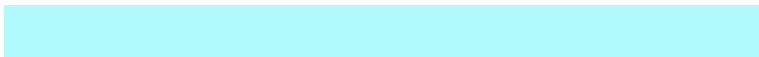
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4939, 85.4015, 80.6910



63.1020, 84.2064, 76.8563



70.2559, 84.9709, 106.4682



18.1963, 20.3380, 21.3367



21.3286, 38.4280, 20.1473



2.1317, 3.7636, 2.2512

Inverse Universe

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



68.3560, 57.2203, 69.0733



65.2403, 51.8725, 63.5355



65.3048, 57.2339, 49.2015



18.3426, 18.1204, 20.4213



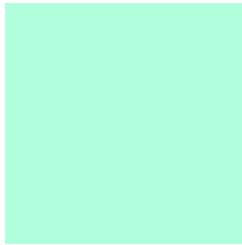
23.1668, 11.7560, 9.5288



2.3095, 1.1662, 1.2115

Previews

White Background



This preview shows how the XYZ color 66.4915, 85.3980, 80.6891 looks on a white background.

Color Contrast Check

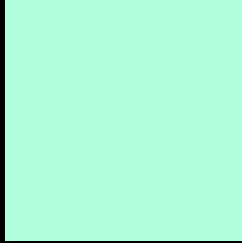
Large Text (above 18pt) WCAG AA × Fail

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 66.4915, 85.3980, 80.6891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

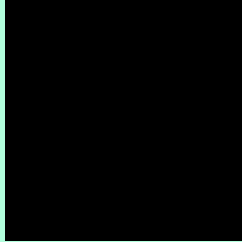
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

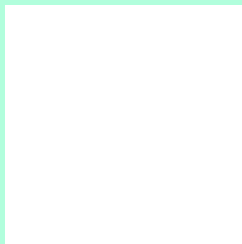
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4915, 85.3980, 80.6891

Background



This preview shows how black text looks on a background with the XYZ color 66.4915, 85.3980, 80.6891.



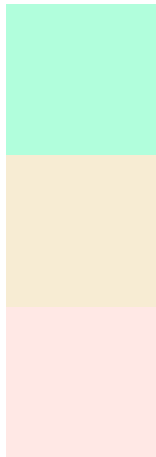
This preview shows how white text looks on a background with the XYZ color 66.4915, 85.3980,

80.6891.

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

66.4915, 85.3980, 80.6891

Protanopia

80.1111, 84.4682, 73.7097

Deuteranopia

84.2395, 84.6304, 86.0241



Tritanopia

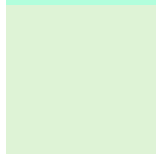
76.6789, 85.0228, 106.9774

Trichromacy



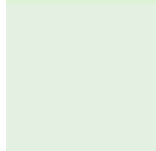
Original Color

66.4915, 85.3980, 80.6891



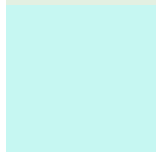
Protanomaly

74.3124, 84.4858, 76.0090



Deuteranomaly

76.5661, 84.1421, 84.1571



Tritanomaly

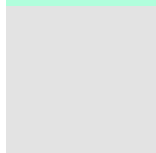
72.5765, 84.9381, 96.5739

Monochromacy



Original Color

66.4915, 85.3980, 80.6891



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.0332, 79.5055, 82.1760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4915, 85.3980, 80.6891 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(177, 254, 220)` looks like.

```
.text, #text, p{  
    color:rgb(177, 254, 220)  
}
```

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(177, 254, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 254, 220) }
```

Border

The CSS property to change the border of an element to XYZ 66.4915, 85.3980, 80.6891 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(177, 254, 220) }
```


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

```
.border{ border-color:rgb(177, 254, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 254, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 254, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 254, 220);  
box-shadow:4px 4px 4px 4px rgb(177, 254,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4915, 85.3980, 80.6891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 254, 220) }
```

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

```
.background{ background-color: rgb(177,  
254, 220) }
```

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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