

Converting Colors

XYZ(66.9058, 86.0881, 80.6115)

Have a look what the booklet for
XYZ(66.9058, 86.0881, 80.6115)
contains.

XYZ(67.0384, 86.1523, 80.8059)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.0384, 86.1523,
80.8059)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FFDC
RGB	178, 255, 220
RGB Percent	70%, 100%, 86%
CMY	0.3020, 0.0000, 0.1372
CMYK	0.30, 0.00, 0.14, 0.00
HSL	153°, 100%, 85%
HSV	153°, 30%, 100%
XYZ	67.0384, 86.1523, 80.8059
YIQ	227.9870, -34.6570, -27.2090

Conversions

Conversions Part 2

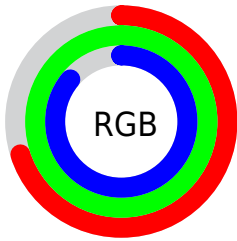
Format	Color
RYB	178, 228, 255
Decimal	11730908
CIELab	94.38, -30.69, 9.23
CIELCh	94, 32.050, 163.260
Yxy	86.1523, 0.2865, 0.3682
Android (android.graphics.Color)	4289920988 (0xFFB2FFDC)
YUV	227.9870, -3.9376, -43.8386
Hunter-Lab	92.8183, -33.5095, 13.3560

Details

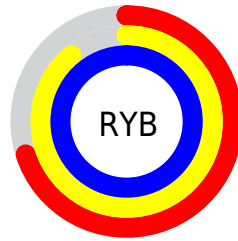
The XYZ color **67.0384, 86.1523, 80.8059** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.1712, 57.9059, 70.4824**, and the grayscale version is **73.7792, 77.6214, 84.5297**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **35.1540, 47.3157, 42.8773** is the 20% darker color. If you saturate the color by 10%, you get **60.2390, 82.8183, 72.7508**, and if you desaturate by 10%, it is **75.0333, 90.0902, 89.4754**.

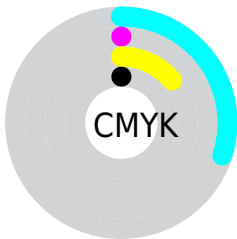
Distribution



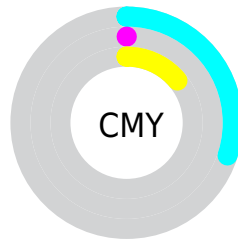
- Red (70%)
- Green (100%)
- Blue (86%)



- Red (70%)
- Yellow (89%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0384, 86.1523, 80.8059 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 67.0384, 86.1523, 80.8059 by changing the saturation by 10% instead.


 67.0384, 86.1523,
80.8059

 67.0384, 86.1523,
80.8059


439.5118,
515.4333, 517.4228

 49.3866, 64.7939,
59.8517


 114.0249,
141.9820, 136.3198

 35.1421, 47.2940,
42.8746


144.0904,
177.2221, 171.7166

 23.9394, 33.2681,
29.4561

179.0245,
217.8583, 212.7646

 15.4131, 22.3319,
19.1775

219.1926,
264.2748, 259.8825

 9.1981, 14.1010,
11.6205

264.9600,
316.8562, 313.4887

 4.9287, 8.1909,
6.3665

316.6921,

 2.2398, 4.2174,

375.9868, 374.0018

2.9968

374.7542,
442.0510, 441.8403

■ 0.7636, 1.7959,
1.0930

■ 0.0000, 0.4846,
0.0000

■ 67.0384, 86.1523,
80.8059

■ 67.0384, 86.1523,
80.8059

■ 60.2390, 82.8183,
72.7508

■ 75.0333, 90.0902,
89.4754

■ 54.5703, 80.0552,
65.2917

■ 84.2792, 94.6606,
98.7685

■ 49.9645, 77.8283,
58.4154

94.8308, 99.8912,
108.6998

■ 46.3456, 76.0985,
52.1062

95.0500, 100.0000,
108.9000

■ 43.6262, 74.8213,
46.3478

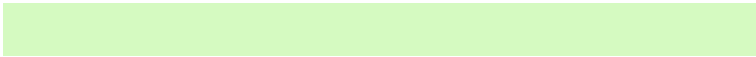
■ 41.7030, 73.9435,
41.1226

■ 40.4271, 73.3868,
36.4964

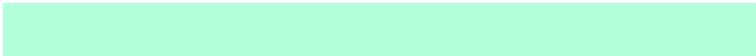
Harmonies

Analogous

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



71.0599, 86.1523, 63.3508



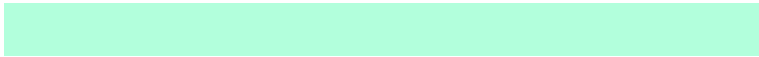
67.0384, 86.1523, 80.8059



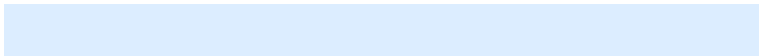
66.8110, 86.1523, 105.1010

Triad

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



67.0384, 86.1523, 80.8059



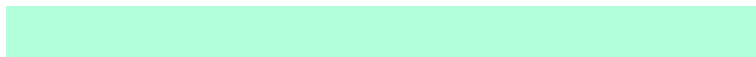
85.7398, 86.1523, 147.9098



94.5375, 86.1523, 64.9305

Complementary

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



67.0384, 86.1523, 80.8059



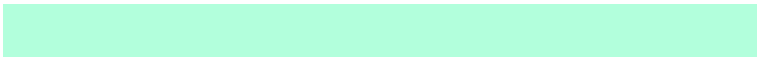
69.1712, 57.9059, 70.4824

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.



99.0716, 86.1523, 83.3492



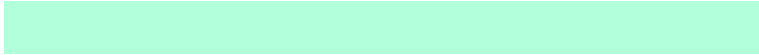
67.0384, 86.1523, 80.8059



93.7575, 86.1523, 132.7256

Square

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



67.0384, 86.1523, 80.8059



77.2106, 86.1523, 146.9029



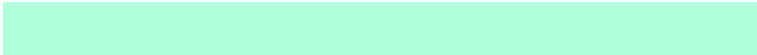
98.7765, 86.1523, 108.1288



86.7447, 86.1523, 55.3463

Rectangle

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



67.0384, 86.1523, 80.8059



68.8124, 86.1523, 122.2721



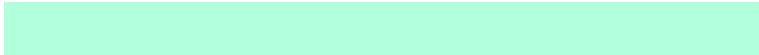
98.7765, 86.1523, 108.1288



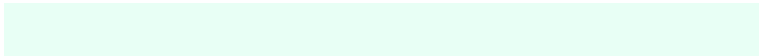
96.5169, 86.1523, 70.1397

Sweetspot

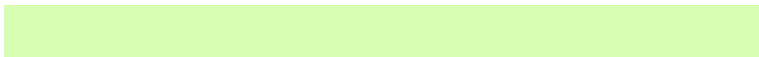
The Sweet Spot groups the original color and five complimentary colors.



67.0392, 86.1527, 80.8073



85.4705, 95.2504, 99.9216



71.5086, 89.0208, 55.5346



17.9843, 20.2341, 21.0871



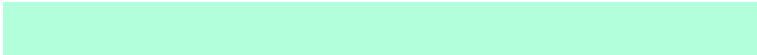
0.0000, 0.0000, 0.0000



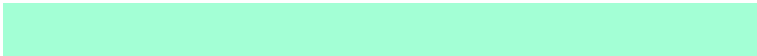
20.3446, 21.4041, 23.3091

Same Dimension

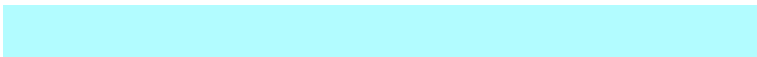
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.0392, 86.1527, 80.8073



62.9503, 84.1457, 76.0570



71.3573, 86.5786, 107.5582



18.1861, 20.3340, 21.2829



21.2004, 38.3767, 19.4722



2.1193, 3.7587, 2.1863

Inverse Universe

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



69.1712, 57.9059, 70.4824



65.3833, 51.9297, 64.2883



65.7125, 57.3472, 49.7265



18.3527, 18.1244, 20.4744



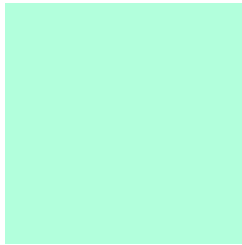
23.2662, 11.7958, 10.0523



2.3196, 1.1702, 1.2645

Previews

White Background



This preview shows how the XYZ color 67.0384, 86.1523, 80.8059 looks on a white background.

Color Contrast Check

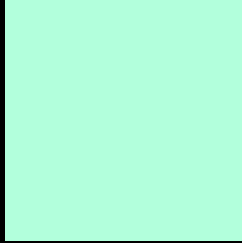
Large Text (above 18pt) WCAG AA × Fail

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 67.0384, 86.1523, 80.8059 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

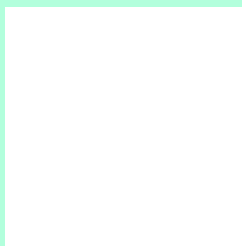
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.0384, 86.1523, 80.8059

Background



This preview shows how black text looks on a background with the XYZ color 67.0384, 86.1523, 80.8059.

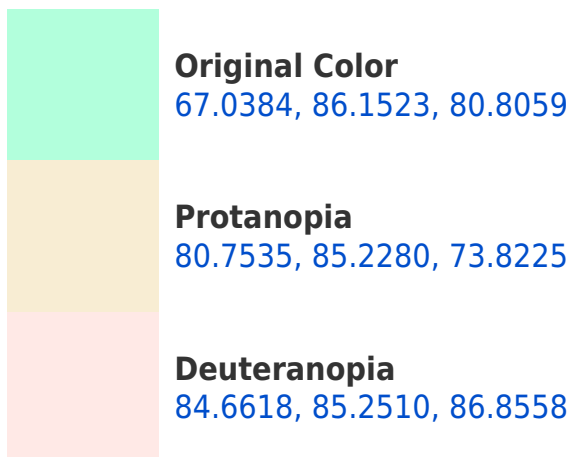


This preview shows how white text looks on a background with the XYZ color 67.0384, 86.1523,

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





Tritanopia

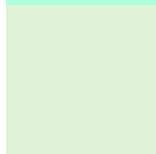
77.5521, 85.9184, 107.1042

Trichromacy



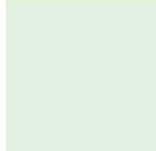
Original Color

67.0384, 86.1523, 80.8059



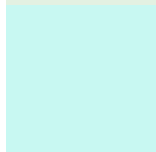
Protanomaly

74.9197, 85.2444, 76.1235



Deuteranomaly

76.8613, 84.7325, 84.2555



Tritanomaly

73.4138, 85.8250, 96.7010

Monochromacy



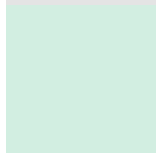
Original Color

67.0384, 86.1523, 80.8059



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.7435, 80.2870, 83.0025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0384, 86.1523, 80.8059 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(178, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 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(178, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 67.0384, 86.1523, 80.8059 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(178, 255, 220) }
```


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

```
.border{ border-color:rgb(178, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0384, 86.1523, 80.8059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 220) }
```

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

```
.background{ background-color: rgb(178,  
255, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor