

Converting Colors

XYZ(67.0848, 86.1842, 80.4507)

Have a look what the booklet for
XYZ(67.0848, 86.1842, 80.4507)
contains.

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Color

**XYZ(67.1366, 86.2182,
80.1211)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFDB
RGB	179, 255, 219
RGB Percent	70%, 100%, 86%
CMY	0.2980, 0.0000, 0.1412
CMYK	0.30, 0.00, 0.14, 0.00
HSL	152°, 100%, 85%
HSV	152°, 30%, 100%
XYZ	67.1366, 86.2182, 80.1211
YIQ	228.1720, -33.7400, -27.3080

Conversions

Conversions Part 2

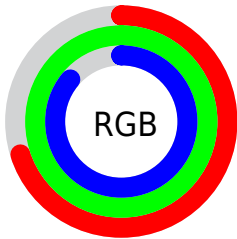
Format	Color
RYB	179, 229, 255
Decimal	11796443
CIELab	94.41, -30.60, 9.79
CIElCh	94, 32.124, 162.252
Yxy	86.2182, 0.2876, 0.3693
Android (android.graphics.Color)	4289986523 (0xFFB3FFDB)
YUV	228.1720, -4.5218, -43.1238
Hunter-Lab	92.8538, -33.4322, 13.8378

Details

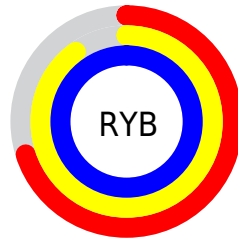
The XYZ color **67.1366, 86.2182, 80.1211** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.6263, 58.4074, 71.8943**, and the grayscale version is **73.9182, 77.7677, 84.6890**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.2071, 47.3536, 42.4065** is the 20% darker color. If you saturate the color by 10%, you get **60.2450, 82.8425, 71.7973**, and if you desaturate by 10%, it is **75.2349, 90.2025, 89.1065**.

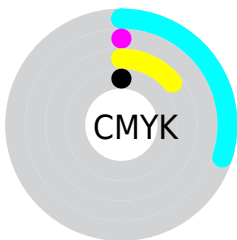
Distribution



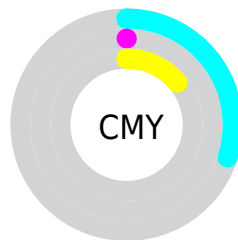
- Red (70%)
- Green (100%)
- Blue (86%)



- Red (70%)
- Yellow (90%)
- 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 67.1366, 86.2182, 80.1211 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 67.1366, 86.2182, 80.1211 by changing the saturation by 10% instead.


 67.1366, 86.2182,
80.1211

 67.1366, 86.2182,
80.1211


439.8557,
515.6504, 515.0584

 49.4667, 64.8484,
59.2913


 114.1648,
142.0739, 135.3489

 35.2059, 47.3382,
42.4261


144.2539,
177.3287, 170.5840

 23.9888, 33.3031,
29.1070


179.2135,
217.9806, 211.4578

 15.4500, 22.3587,
18.9155

219.4089,
264.4139, 258.3891

 9.2242, 14.1207,
11.4330

265.2054,
317.0132, 311.7962

 4.9460, 8.2047,
6.2411

316.9685,

 2.2500, 4.2262,

376.1628, 372.0978

2.9211

375.0635,
442.2471, 439.7123

■ 0.7689, 1.8009,
1.0545

■ 0.0000, 0.4877,
0.0000

■ 67.1366, 86.2182,
80.1211

■ 67.1366, 86.2182,
80.1211

■ 60.2450, 82.8425,
71.7973

■ 75.2349, 90.2025,
89.1065

■ 54.4952, 80.0425,
64.1152

■ 84.5956, 94.8241,
98.7644

■ 49.8195, 77.7834,
57.0601

95.0500, 100.0000,
108.9000

■ 46.1417, 76.0262,
50.6146

■ 43.3748, 74.7266,
44.7607

■ 41.4157, 73.8315,
39.4789

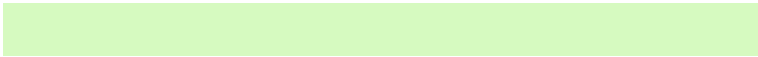
■ 40.1009, 73.2571,
34.7462

■ 40.0780, 73.2472,
34.6582

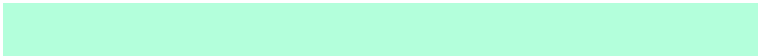
Harmonies

Analogous

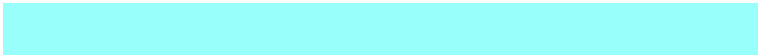
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2880, 86.2182, 62.9082



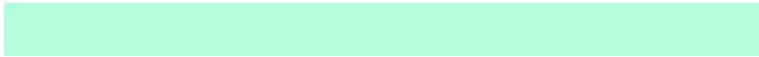
67.1366, 86.2182, 80.1211



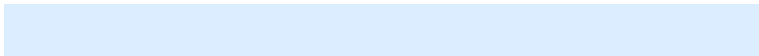
66.7766, 86.2182, 104.3281

Triad

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



67.1366, 86.2182, 80.1211



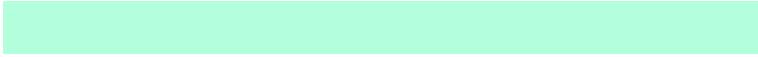
85.5201, 86.2182, 148.4035



94.8558, 86.2182, 65.4087

Complementary

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



67.1366, 86.2182, 80.1211



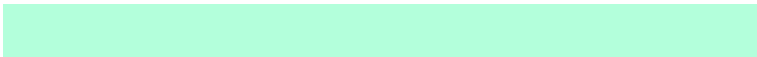
69.6263, 58.4074, 71.8943

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.



99.2587, 86.2182, 84.1482



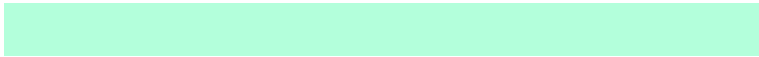
67.1366, 86.2182, 80.1211



93.6205, 86.2182, 133.6349

Square

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



67.1366, 86.2182, 80.1211



76.9923, 86.2182, 146.8083



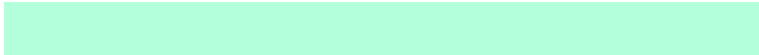
98.7914, 86.2182, 109.1235



87.1116, 86.2182, 55.4967

Rectangle

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



67.1366, 86.2182, 80.1211



68.6988, 86.2182, 121.5924



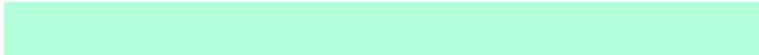
98.7914, 86.2182, 109.1235



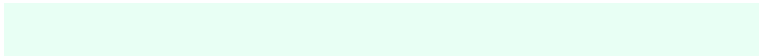
96.7993, 86.2182, 70.7297

Sweetspot

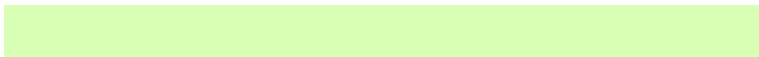
The Sweet Spot groups the original color and five complimentary colors.



67.1374, 86.2186, 80.1225



85.4037, 95.2237, 99.5696



72.1374, 89.3333, 56.0900



17.9678, 20.2275, 21.0004



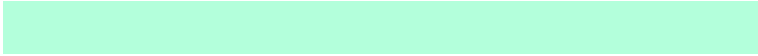
0.0000, 0.0000, 0.0000



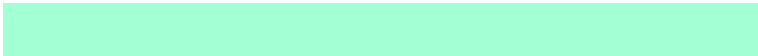
20.3446, 21.4041, 23.3091

Same Dimension

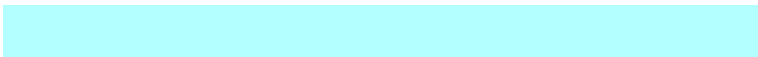
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1374, 86.2186, 80.1225



62.7280, 84.0568, 74.8867



71.9982, 87.5185, 107.7058



18.1710, 20.3279, 21.2036



21.0177, 38.3037, 18.5104



2.1017, 3.7516, 2.0932

Inverse Universe

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



69.6263, 58.4074, 71.8943



65.5965, 52.0150, 65.4112



65.7525, 57.2660, 50.2369



18.3676, 18.1304, 20.5529



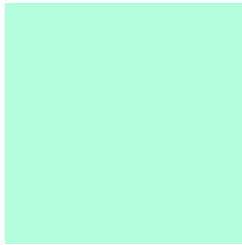
23.4195, 11.8571, 10.8593



2.3350, 1.1764, 1.3455

Previews

White Background



This preview shows how the XYZ color 67.1366, 86.2182, 80.1211 looks on a white background.

Color Contrast Check

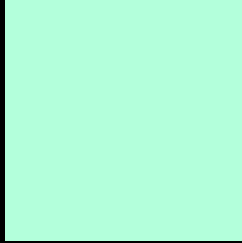
Large Text (above 18pt) WCAG AA × Fail

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 67.1366, 86.2182, 80.1211 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 67.1366, 86.2182, 80.1211

Background



This preview shows how black text looks on a background with the XYZ color 67.1366, 86.2182, 80.1211.

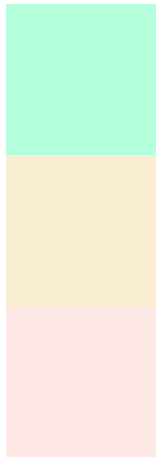


This preview shows how white text looks on a background with the XYZ color 67.1366, 86.2182,

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

67.1366, 86.2182, 80.1211

Protanopia

80.9840, 85.3613, 73.1808

Deuteranopia

84.6618, 85.2510, 86.8558



Tritanopia

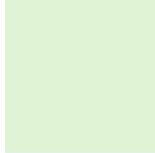
77.8413, 86.0675, 107.1178

Trichromacy



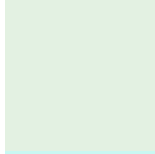
Original Color

67.1366, 86.2182, 80.1211



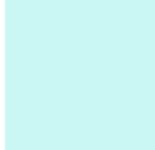
Protanomaly

75.1014, 85.3528, 75.4673



Deuteranomaly

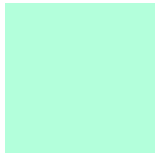
76.8613, 84.7325, 84.2555



Tritanomaly

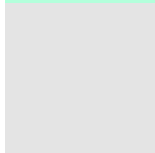
73.6818, 85.9631, 96.7135

Monochromacy



Original Color

67.1366, 86.2182, 80.1211



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 67.1366, 86.2182, 80.1211 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(179, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 219)  
}
```

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(179, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 67.1366, 86.2182, 80.1211 is called "border". The border property can be set on classes, ids or directly on the HTML element.

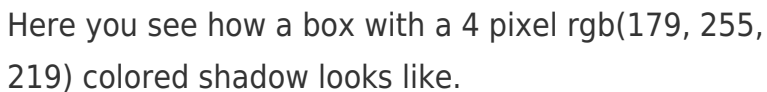
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 255, 219) }
```


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

```
.border{ border-color:rgb(179, 255, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 255, 219); box-shadow:4px 4px 4px 4px rgb(179, 255, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1366, 86.2182, 80.1211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 219) }
```

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

```
.background{ background-color: rgb(179,  
255, 219) }
```

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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