

Converting Colors

XYZ(66.9326, 84.2605, 80.4808)

Have a look what the booklet for
XYZ(66.9326, 84.2605, 80.4808)
contains.

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Color

**XYZ(66.9439, 84.2289,
80.4396)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FBDC
RGB	183, 251, 220
RGB Percent	72%, 98%, 86%
CMY	0.2823, 0.0157, 0.1372
CMYK	0.27, 0.00, 0.12, 0.02
HSL	153°, 89%, 85%
HSV	153°, 27%, 98%
XYZ	66.9439, 84.2289, 80.4396
YIQ	227.1340, -30.5770, -24.0570

Conversions

Conversions Part 2

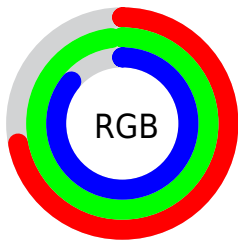
Format	Color
RYB	183, 227, 251
Decimal	12057564
CIELab	93.55, -27.33, 8.08
CIELCh	94, 28.502, 163.535
Yxy	84.2289, 0.2890, 0.3637
Android (android.graphics.Color)	4290247644 (0xFFB7FBDC)
YUV	227.1340, -3.5171, -38.7055
Hunter-Lab	91.7763, -30.4062, 12.2772

Details

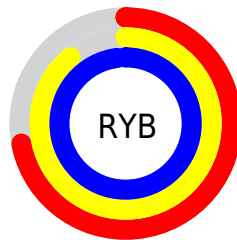
The XYZ color **66.9439, 84.2289, 80.4396** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.8577, 59.2334, 71.4259**, and the grayscale version is **73.1537, 76.9634, 83.8132**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **34.9854, 45.8894, 42.6109** is the 20% darker color. If you saturate the color by 10%, you get **60.0340, 80.8382, 72.4745**, and if you desaturate by 10%, it is **75.0269, 88.2169, 89.0048**.

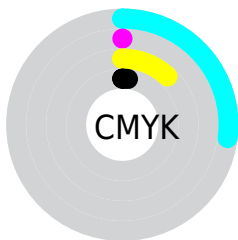
Distribution



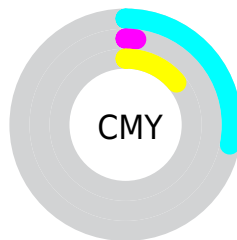
- Red (72%)
- Green (98%)
- Blue (86%)



- Red (72%)
- Yellow (89%)
- Blue (98%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)





- Cyan (28%)
- Magenta (2%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9439, 84.2289, 80.4396 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 66.9439, 84.2289, 80.4396 by changing the saturation by 10% instead.


 66.9439, 84.2289,
80.4396

 66.9439, 84.2289,
80.4396


439.1807,
509.0730, 516.1589

 49.3096, 63.2044,
59.5519

 113.8903,
139.2953, 135.8006

 35.0807, 46.0066,
42.6346


143.9330,
174.1061, 171.1109

 23.8918, 32.2510,
29.2692


178.8426,
214.2811, 212.0659

 15.3777, 21.5533,
19.0373

218.9844,
260.2046, 259.0840

 9.1729, 13.5291,
11.5201

264.7237,
312.2612, 312.5838

 4.9122, 7.7939,
6.2993

316.4260,


 2.2300, 3.9633,


370.8353, 372.9839


2.9562


374.4565,
436.3111, 440.7027


 0.7585, 1.6531,
1.0723

 0.0000, 0.3930,
0.0000


 66.9439, 84.2289,
80.4396


 66.9439, 84.2289,
80.4396


 60.0340, 80.8382,
72.4745


 75.0269, 88.2169,
89.0048

 54.2314, 78.0043,
65.0903

 84.3303, 92.8196,
98.1775

 49.4747, 75.6980,
58.2749

 93.6814, 97.4345,
107.9146

 45.6930, 73.8832,
52.0135

 93.7887, 97.4774,
108.4796

■ 42.8062, 72.5186,
46.2904

■ 40.7205, 71.5564,
41.0889

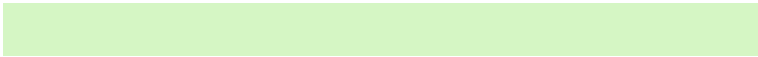
■ 39.3161, 70.9349,
36.3908

■ 38.9832, 70.7912,
35.1147

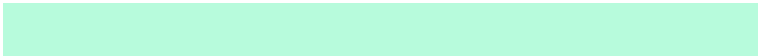
Harmonies

Analogous

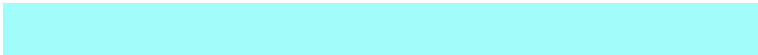
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4811, 84.2289, 64.7850



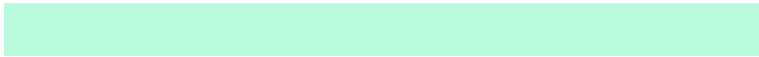
66.9439, 84.2289, 80.4396



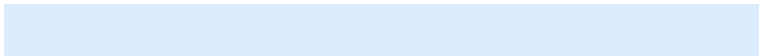
66.7737, 84.2289, 101.7749

Triad

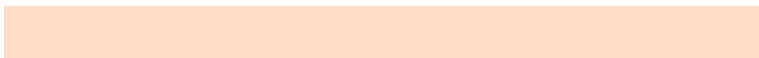
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.9439, 84.2289, 80.4396



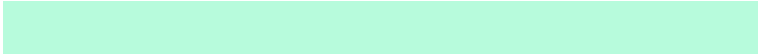
83.4980, 84.2289, 138.2873



91.0332, 84.2289, 65.9830

Complementary

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



66.9439, 84.2289, 80.4396



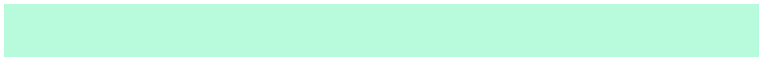
68.8577, 59.2334, 71.4259

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.



94.9946, 84.2289, 82.3334



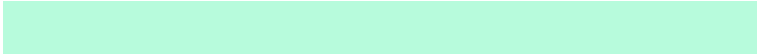
66.9439, 84.2289, 80.4396



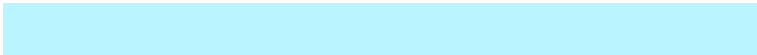
90.4633, 84.2289, 125.2223

Square

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



66.9439, 84.2289, 80.4396



76.0181, 84.2289, 137.5660



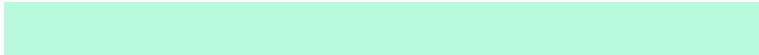
94.7797, 84.2289, 103.9889



84.2366, 84.2289, 57.3795

Rectangle

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



66.9439, 84.2289, 80.4396



68.5710, 84.2289, 116.6125



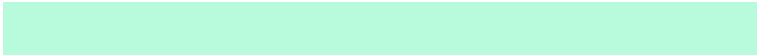
94.7797, 84.2289, 103.9889



92.7591, 84.2289, 70.6336

Sweetspot

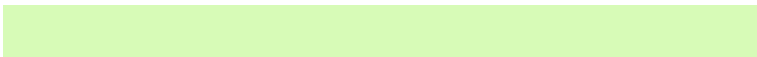
The Sweet Spot groups the original color and five complimentary colors.



66.9462, 84.2324, 80.4415



86.4775, 95.7495, 100.8708



70.9933, 86.8237, 57.8180



18.1850, 20.3335, 21.2772



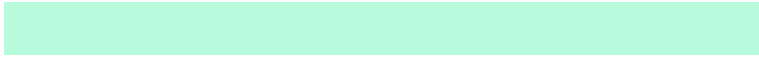
0.0000, 0.0000, 0.0000



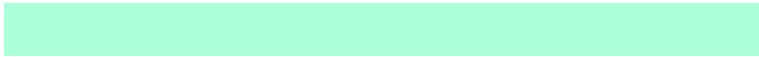
20.3446, 21.4041, 23.3091

Same Dimension

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



66.9462, 84.2324, 80.4415



64.9989, 85.1519, 78.4073



70.7372, 84.6225, 103.8763



17.4124, 19.4672, 20.3725



20.5648, 37.2389, 18.8492



1.9582, 3.4704, 2.0275

Inverse Universe

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



68.8577, 59.2334, 71.4259



67.3098, 54.9433, 67.5186



65.7382, 58.7398, 52.6742



17.5737, 17.3568, 19.6108



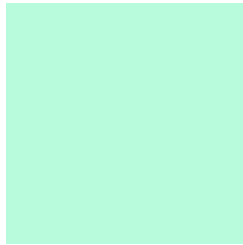
22.5928, 11.4529, 9.8303



2.1452, 1.0818, 1.1882

Previews

White Background



This preview shows how the XYZ color 66.9439, 84.2289, 80.4396 looks on a white background.

Color Contrast Check

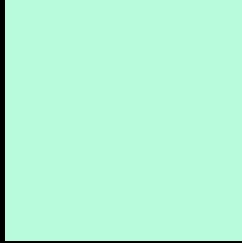
Large Text (above 18pt) WCAG AA × Fail

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 66.9439, 84.2289, 80.4396 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

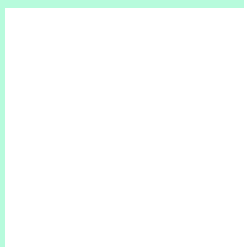
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9439, 84.2289, 80.4396

Background



This preview shows how black text looks on a background with the XYZ color 66.9439, 84.2289, 80.4396.



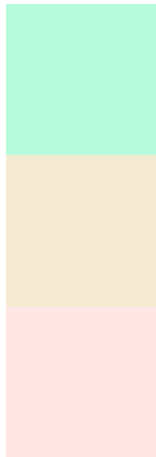
This preview shows how white text looks on a background with the XYZ color 66.9439, 84.2289,

80.4396.

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

66.9439, 84.2289, 80.4396

Protanopia

79.1224, 83.5323, 73.5812

Deuteranopia

83.5404, 83.4551, 85.1042



Tritanopia

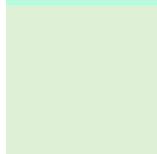
75.8146, 84.1342, 106.8514

Trichromacy



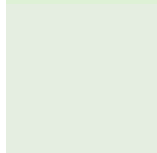
Original Color

66.9439, 84.2289, 80.4396



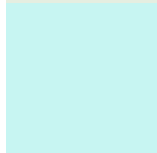
Protanomaly

73.7171, 83.2952, 75.8106



Deuteranomaly

76.4782, 83.2433, 83.2709



Tritanomaly

72.2326, 83.8577, 96.3835

Monochromacy



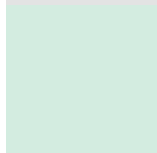
Original Color

66.9439, 84.2289, 80.4396



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.3140, 79.2216, 82.1064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9439, 84.2289, 80.4396 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(183, 251, 220)` looks like.

```
.text, #text, p{  
    color:rgb(183, 251, 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(183, 251, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 251, 220) }
```

Border

The CSS property to change the border of an element to XYZ 66.9439, 84.2289, 80.4396 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(183, 251, 220) }
```


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

```
.border{ border-color:rgb(183, 251, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 251, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 251, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 251, 220);  
box-shadow:4px 4px 4px 4px rgb(183, 251,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9439, 84.2289, 80.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 251, 220) }
```

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

```
.background{ background-color: rgb(183,  
251, 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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