

Converting Colors

XYZ(66.7029, 86.0315, 78.4371)

Have a look what the booklet for
XYZ(66.7029, 86.0315, 78.4371)
contains.

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Color

**XYZ(66.8748, 86.1135,
78.7425)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFD9
RGB	179, 255, 217
RGB Percent	70%, 100%, 85%
CMY	0.2980, 0.0000, 0.1490
CMYK	0.30, 0.00, 0.15, 0.00
HSL	150°, 100%, 85%
HSV	150°, 30%, 100%
XYZ	66.8748, 86.1135, 78.7425
YIQ	227.9440, -33.0980, -27.9300

Conversions

Conversions Part 2

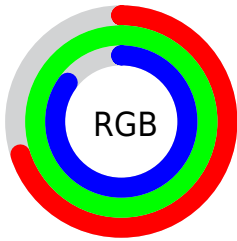
Format	Color
RYB	179, 230, 255
Decimal	11796441
CIELab	94.36, -30.98, 10.76
CIElCh	94, 32.797, 160.853
Yxy	86.1135, 0.2886, 0.3716
Android (android.graphics.Color)	4289986521 (0xFFB3FFD9)
YUV	227.9440, -5.3954, -42.9239
Hunter-Lab	92.7974, -33.7586, 14.6481

Details

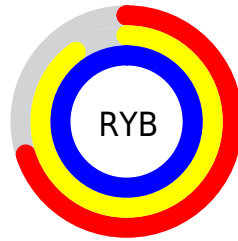
The XYZ color **66.8748, 86.1135, 78.7425** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.8849, 58.5108, 73.2562**, and the grayscale version is **73.7572, 77.5983, 84.5045**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.0279, 47.2819, 41.4626** is the 20% darker color. If you saturate the color by 10%, you get **59.9212, 82.7130, 70.0925**, and if you desaturate by 10%, it is **75.0478, 90.1277, 88.1211**.

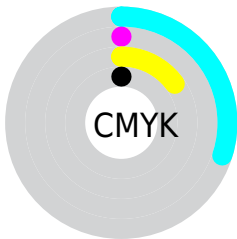
Distribution



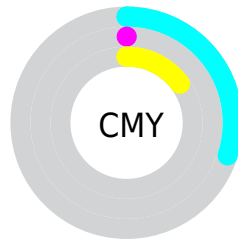
- Red (70%)
- Green (100%)
- Blue (85%)



- Red (70%)
- Yellow (90%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8748, 86.1135, 78.7425 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 66.8748, 86.1135, 78.7425 by changing the saturation by 10% instead.


 66.8748, 86.1135,
78.7425

 66.8748, 86.1135,
78.7425


438.9385,
515.3054, 510.2794

 49.2532, 64.7618,
58.1641


 113.7918,
141.9279, 133.3917

 35.0357, 47.2680,
41.5250


143.8179,
177.1594, 168.2995

 23.8571, 33.2476,
28.4067

178.7095,
217.7862, 208.8208

 15.3518, 22.3162,
18.3908

218.8321,
264.1929, 255.3742

 9.1546, 14.0894,
11.0586

264.5509,
316.7638, 308.3782

 4.9001, 8.1829,
5.9916

316.2313,

 2.2229, 4.2122,

375.8832, 368.2514

2.7713

374.2387,
441.9356, 435.4123

■ 0.7548, 1.7929,
0.9791

■ 0.0000, 0.4828,
0.0000

■ 66.8748, 86.1135,
78.7425

■ 66.8748, 86.1135,
78.7425

■ 59.9212, 82.7130,
70.0925

■ 75.0478, 90.1277,
88.1211

■ 54.1218, 79.8931,
62.1491

■ 84.4963, 94.7843,
98.2415

■ 49.4083, 77.6189,
54.8948

95.0500, 100.0000,
108.9000

■ 45.7040, 75.8512,
48.3098

■ 42.9214, 74.5452,
42.3733

■ 40.9569, 73.6480,
37.0630

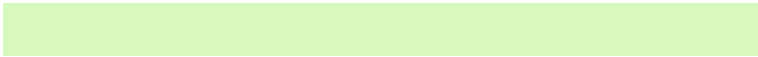
■ 39.6464, 73.0753,
32.3527

■ 39.6236, 73.0655,
32.2656

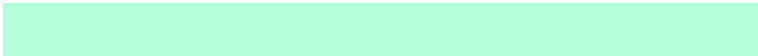
Harmonies

Analogous

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



71.2666, 86.1135, 61.6637



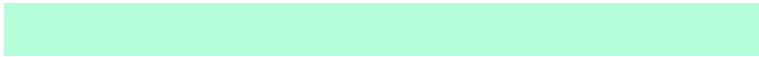
66.8748, 86.1135, 78.7425



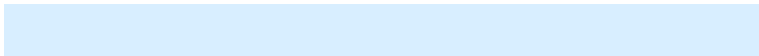
66.3224, 86.1135, 103.1910

Triad

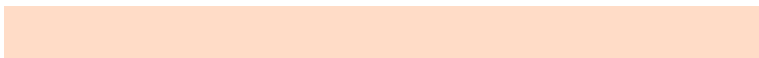
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.8748, 86.1135, 78.7425



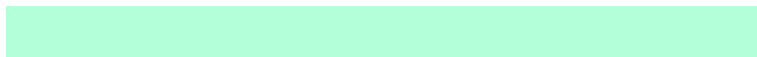
85.0773, 86.1135, 149.8946



95.3327, 86.1135, 65.4904

Complementary

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



66.8748, 86.1135, 78.7425



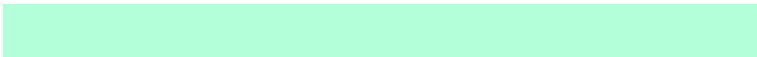
69.8849, 58.5108, 73.2562

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.



99.6258, 86.1135, 84.9274



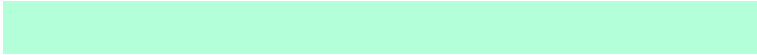
66.8748, 86.1135, 78.7425



93.4287, 86.1135, 135.4246

Square

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



66.8748, 86.1135, 78.7425



76.4202, 86.1135, 147.4267



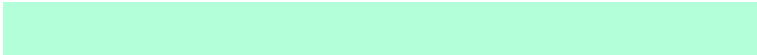
98.9050, 86.1135, 110.5815



87.5275, 86.1135, 55.0146

Rectangle

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



66.8748, 86.1135, 78.7425



68.1581, 86.1135, 120.8893



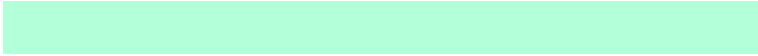
98.9050, 86.1135, 110.5815



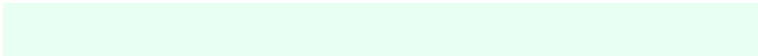
97.2589, 86.1135, 71.0321

Sweetspot

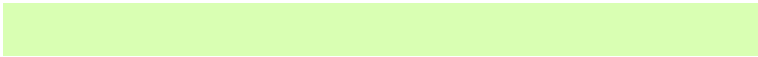
The Sweet Spot groups the original color and five complimentary colors.



66.8755, 86.1138, 78.7439



85.3121, 95.1870, 99.0870



72.5125, 89.5266, 56.1075



17.9453, 20.2185, 20.8816



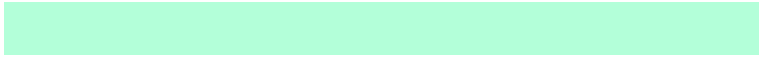
0.0000, 0.0000, 0.0000



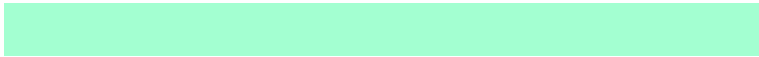
20.3446, 21.4041, 23.3091

Same Dimension

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



66.8755, 86.1138, 78.7439



62.4264, 83.9361, 73.2983



72.4009, 88.3240, 107.8400



18.1504, 20.3197, 21.0949



20.7796, 38.2084, 17.2563



2.0784, 3.7423, 1.9705

Inverse Universe

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



69.8849, 58.5108, 73.2562



65.8936, 52.1338, 66.9757



65.4974, 56.7558, 50.1519



18.3882, 18.1386, 20.6613



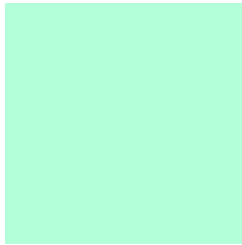
23.6428, 11.9464, 12.0353



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 66.8748, 86.1135, 78.7425 looks on a white background.

Color Contrast Check

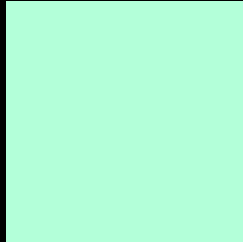
Large Text (above 18pt) WCAG AA × Fail

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 66.8748, 86.1135, 78.7425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

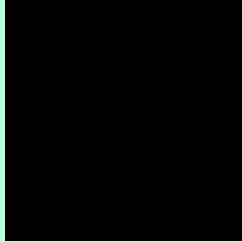
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

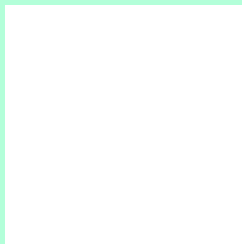
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8748, 86.1135, 78.7425

Background



This preview shows how black text looks on a background with the XYZ color 66.8748, 86.1135, 78.7425.



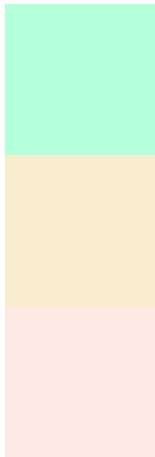
This preview shows how white text looks on a background with the XYZ color 66.8748, 86.1135,

78.7425.

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

66.8748, 86.1135, 78.7425

Protanopia

80.7363, 85.2622, 71.8765

Deuteranopia

84.5218, 85.1950, 86.1182



Tritanopia

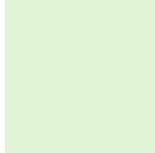
77.8413, 86.0675, 107.1178

Trichromacy



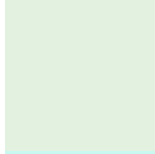
Original Color

66.8748, 86.1135, 78.7425



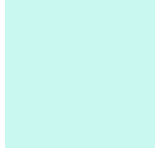
Protanomaly

74.8490, 85.2518, 74.1383



Deuteranomaly

76.7245, 84.6777, 83.5348



Tritanomaly

73.5320, 85.9032, 95.9245

Monochromacy



Original Color

66.8748, 86.1135, 78.7425



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.6074, 80.2325, 82.2860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8748, 86.1135, 78.7425 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 66.8748, 86.1135, 78.7425 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, 217) }
```


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

```
.border{ border-color:rgb(179, 255, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8748, 86.1135, 78.7425 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, 217) }
```

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

```
.background{ background-color: rgb(179,  
255, 217) }
```

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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