

Converting Colors

XYZ(72.3479, 96.4758, 79.4515)

Have a look what the booklet for
XYZ(72.3479, 96.4758, 79.4515)
contains.

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Color

**XYZ(67.4461, 86.4230,
78.0923)**

Conversions

Conversions Part 1

Format	Color
Hex	B6FFD8
RGB	182, 255, 216
RGB Percent	71%, 100%, 85%
CMY	0.2863, 0.0000, 0.1529
CMYK	0.29, 0.00, 0.15, 0.00
HSL	148°, 100%, 86%
HSV	148°, 29%, 100%
XYZ	67.4461, 86.4230, 78.0923
YIQ	228.7270, -30.9890, -27.6050

Conversions

Conversions Part 2

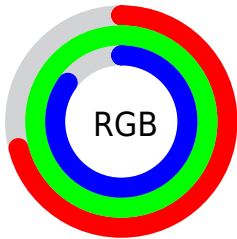
Format	Color
RYB	182, 232, 255
Decimal	11993048
CIELab	94.49, -30.29, 11.48
CIELCh	94, 32.391, 159.242
Yxy	86.4230, 0.2908, 0.3726
Android (android.graphics.Color)	4290183128 (0xFFB6FFD8)
YUV	228.7270, -6.2744, -40.9796
Hunter-Lab	92.9640, -33.1838, 15.2695

Details

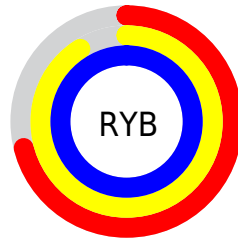
The XYZ color **67.4461, 86.4230, 78.0923** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.0195, 59.9372, 76.2325**, and the grayscale version is **74.3362, 78.2075, 85.1680**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **35.3795, 47.4734, 41.0168** is the 20% darker color. If you saturate the color by 10%, you get **60.2733, 82.9204, 68.9413**, and if you desaturate by 10%, it is **75.8629, 90.5500, 88.0666**.

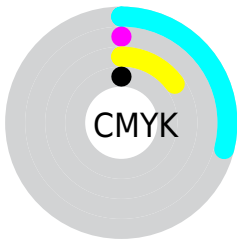
Distribution



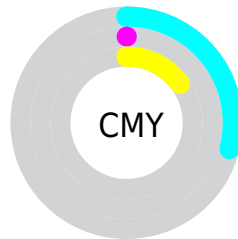
- Red (71%)
- Green (100%)
- Blue (85%)



- Red (71%)
- Yellow (91%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4461, 86.4230, 78.0923 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 67.4461, 86.4230, 78.0923 by changing the saturation by 10% instead.


 67.4461, 86.4230,
78.0923

 67.4461, 86.4230,
78.0923

440.9386,
516.3250, 508.0165

 49.7193, 65.0178,
57.6329

 114.6057,
142.3596, 132.4673

 35.4073, 47.4755,
41.1009


144.7691,
177.6599, 167.2199

 24.1448, 33.4117,
28.0776

179.8088,
218.3606, 207.5741

 15.5664, 22.4420,
18.1446

220.0901,
264.8461, 253.9483

 9.3067, 14.1821,
10.8833

265.9784,
317.5010, 306.7611

 5.0005, 8.2474,
5.8753

317.8390,

 2.2823, 4.2537,

376.7095, 366.4311

2.7018

376.0373,
442.8560, 433.3767

■ 0.7856, 1.8164,
0.9443

■ 0.0000, 0.4974,
0.0000

■ 67.4461, 86.4230,
78.0923

■ 67.4461, 86.4230,
78.0923

■ 60.2733, 82.9204,
68.9413

■ 75.8629, 90.5500,
88.0666

■ 54.2793, 80.0090,
60.5879

■ 85.5801, 95.3300,
98.8805

■ 49.3958, 77.6541,
53.0114

■ 95.0500, 100.0000,
108.9000

■ 45.5466, 75.8168,
46.1882

■ 42.6448, 74.4528,
40.0934

■ 40.5883, 73.5099,
34.7006

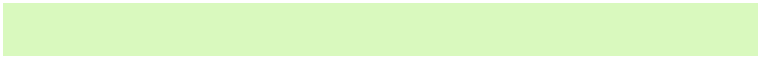
■ 39.2331, 72.9143,
29.9801

■ 39.0760, 72.8464,
29.3818

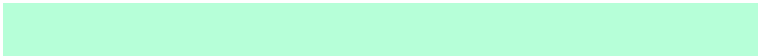
Harmonies

Analogous

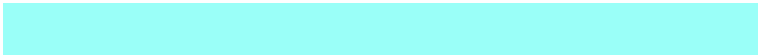
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9899, 86.4230, 61.6058



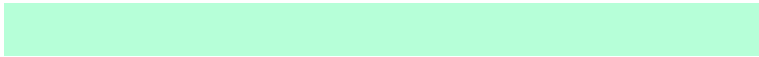
67.4461, 86.4230, 78.0923



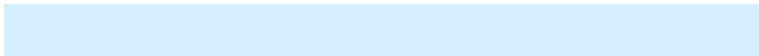
66.6857, 86.4230, 102.0209

Triad

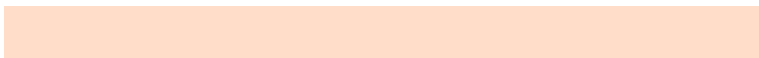
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.4461, 86.4230, 78.0923



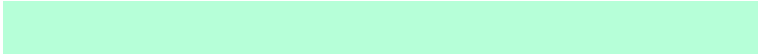
84.8636, 86.4230, 149.8716



95.8185, 86.4230, 66.8849

Complementary

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



67.4461, 86.4230, 78.0923



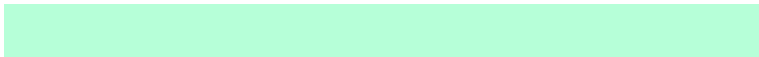
71.0195, 59.9372, 76.2325

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.



99.8202, 86.4230, 86.6000



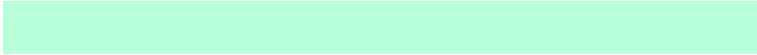
67.4461, 86.4230, 78.0923



93.2073, 86.4230, 136.3848

Square

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



67.4461, 86.4230, 78.0923



76.3443, 86.4230, 146.4974



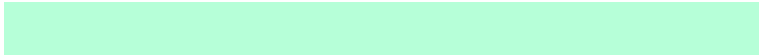
98.8322, 86.4230, 112.1580



88.2270, 86.4230, 55.9746

Rectangle

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



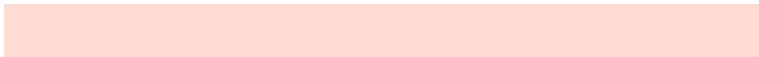
67.4461, 86.4230, 78.0923



68.3690, 86.4230, 119.5486



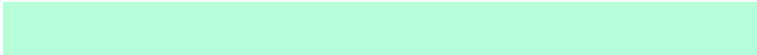
98.8322, 86.4230, 112.1580



97.6517, 86.4230, 72.5463

Sweetspot

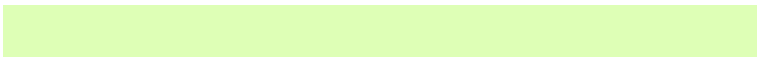
The Sweet Spot groups the original color and five complimentary colors.



67.4468, 86.4233, 78.0937



85.1933, 95.1395, 98.4614



74.3742, 90.4509, 57.7959



17.9161, 20.2068, 20.7277



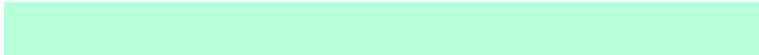
0.0000, 0.0000, 0.0000



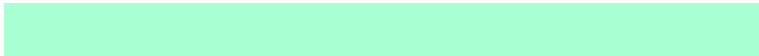
20.3446, 21.4041, 23.3091

Same Dimension

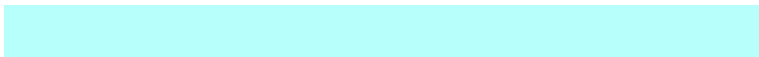
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4468, 86.4233, 78.0937



63.4417, 84.4655, 73.0751



72.5197, 88.4525, 104.8073



18.1236, 20.3090, 20.9540



20.4918, 38.0933, 15.7411



2.0498, 3.7308, 1.8199

Inverse Universe

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



71.0195, 59.9372, 76.2325



67.5148, 54.2628, 70.9483



66.7943, 58.2471, 53.9830



18.4151, 18.1493, 20.8028



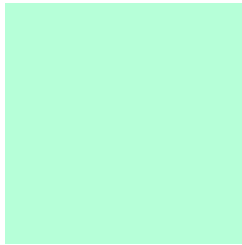
23.9556, 12.0715, 13.6826



2.3877, 1.1975, 1.6230

Previews

White Background



This preview shows how the XYZ color 67.4461, 86.4230, 78.0923 looks on a white background.

Color Contrast Check

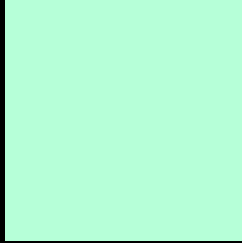
Large Text (above 18pt) WCAG AA × Fail

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 67.4461, 86.4230, 78.0923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

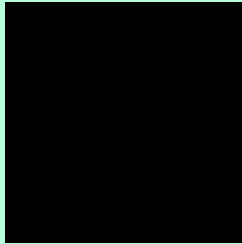
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4461, 86.4230, 78.0923

Background



This preview shows how black text looks on a background with the XYZ color 67.4461, 86.4230, 78.0923.



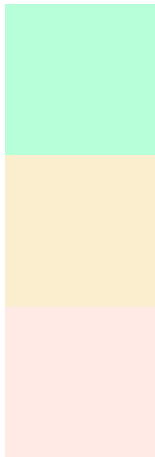
This preview shows how white text looks on a background with the XYZ color 67.4461, 86.4230,

78.0923.

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

67.4461, 86.4230, 78.0923

Protanopia

81.2614, 85.9781, 71.3440

Deuteranopia

84.8057, 85.7628, 86.2129



Tritanopia

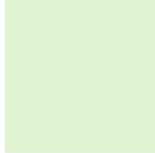
78.1322, 86.2175, 107.1314

Trichromacy



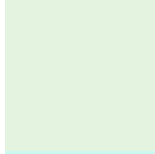
Original Color

67.4461, 86.4230, 78.0923



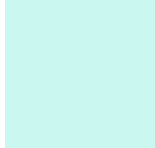
Protanomaly

75.0349, 85.3621, 73.4945



Deuteranomaly

77.2016, 85.3801, 82.9321



Tritanomaly

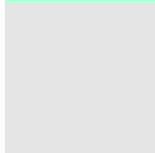
73.8017, 86.0422, 95.9371

Monochromacy



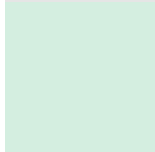
Original Color

67.4461, 86.4230, 78.0923



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1805, 80.5279, 82.3128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4461, 86.4230, 78.0923 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(182, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 216)  
}
```

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(182, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 67.4461, 86.4230, 78.0923 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(182, 255, 216) }
```


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

```
.border{ border-color:rgb(182, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4461, 86.4230, 78.0923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 216) }
```

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

```
.background{ background-color: rgb(182,  
255, 216) }
```

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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