

# Converting Colors

XYZ(75.3738, 103.2128,  
82.3030)

Have a look what the booklet for  
XYZ(75.3738, 103.2128, 82.3030)  
contains.

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# Color

**XYZ(66.7750, 86.0469,  
79.4190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FFDA
RGB	178, 255, 218
RGB Percent	70%, 100%, 85%
CMY	0.3020, 0.0000, 0.1451
CMYK	0.30, 0.00, 0.15, 0.00
HSL	151°, 100%, 85%
HSV	151°, 30%, 100%
XYZ	66.7750, 86.0469, 79.4190
YIQ	227.7590, -34.0150, -27.8310

# Conversions

## Conversions Part 2

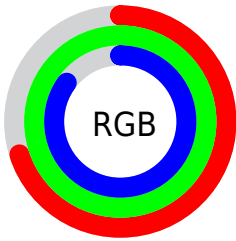
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">178, 229, 255</a>
Decimal	<a href="#">11730906</a>
CIELab	<a href="#">94.33, -31.08, 10.20</a>
CIELCh	<a href="#">94, 32.710, 161.839</a>
Yxy	<a href="#">86.0469, 0.2875, 0.3705</a>
Android (android.graphics.Color)	<a href="#">4289920986</a> ( <a href="#">0xFFB2FFDA</a> )
YUV	<a href="#">227.7590, -4.8112, -43.6386</a>
Hunter-Lab	<a href="#">92.7615, -33.8381, 14.1711</a>

# Details

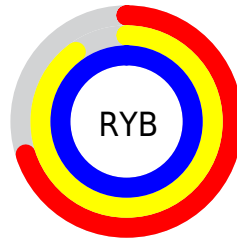
The XYZ color **66.7750, 86.0469, 79.4190** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.4267, 58.0081, 71.8277**, and the grayscale version is **73.6183, 77.4522, 84.3455**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **34.9733, 47.2435, 41.9259** is the 20% darker color. If you saturate the color by 10%, you get **59.9133, 82.6880, 71.0355**, and if you desaturate by 10%, it is **74.8444, 90.0147, 88.4807**.

# Distribution



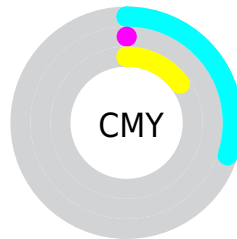
- Red (70%)
- Green (100%)
- Blue (85%)



- 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 66.7750, 86.0469, 79.4190 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 66.7750, 86.0469, 79.4190 by changing the saturation by 10% instead.




 66.7750, 86.0469,  
79.4190

 66.7750, 86.0469,  
79.4190


438.5885,  
515.0858, 512.6277

 49.1718, 64.7068,  
58.7170

 113.6495,  
141.8349, 134.3526

 34.9709, 47.2233,  
41.9668


143.6516,  
177.0516, 169.4212

 23.8069, 33.2122,  
28.7500


178.5173,  
217.6626, 210.1159

 15.3144, 22.2891,  
18.6478

218.6121,  
264.0523, 256.8551

 9.1281, 14.0695,  
11.2418

264.3012,  
316.6050, 310.0573

 4.8826, 8.1690,  
6.1135

315.9501,

 2.2126, 4.2033,

375.7053, 370.1411

2.8443

373.9241,  
441.7374, 437.5251

■ 0.7494, 1.7879,  
1.0157

■ 0.0000, 0.4796,  
0.0000

■ 66.7750, 86.0469,  
79.4190

■ 66.7750, 86.0469,  
79.4190

■ 59.9133, 82.6880,  
71.0355

■ 74.8444, 90.0147,  
88.4807

■ 54.1939, 79.9046,  
63.3096

■ 84.1773, 94.6198,  
98.2318

■ 49.5487, 77.6620,  
56.2258

■ 94.8287, 99.8904,  
108.6888

■ 45.9012, 75.9208,  
49.7663

■ 95.0500, 100.0000,  
108.9000

■ 43.1637, 74.6363,  
43.9121

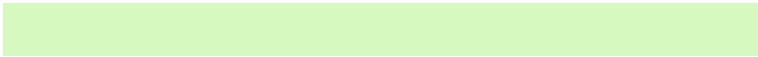
■ 41.2321, 73.7552,  
38.6431

■ 39.9571, 73.1989,  
34.0218

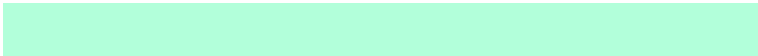
# Harmonies

## Analogous

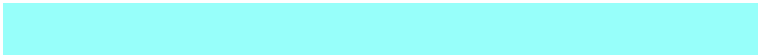
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0367, 86.0469, 62.0985



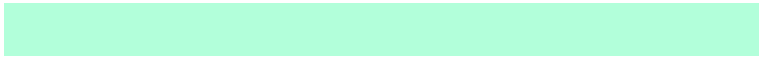
66.7750, 86.0469, 79.4190



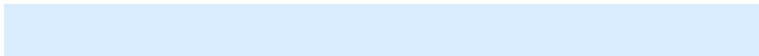
66.3551, 86.0469, 103.9599

# Triad

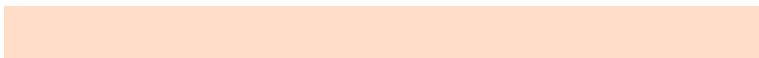
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.7750, 86.0469, 79.4190



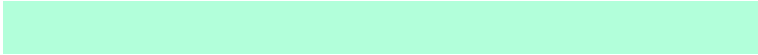
85.2963, 86.0469, 149.4010



95.0132, 86.0469, 65.0082

# Complementary

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



66.7750, 86.0469, 79.4190



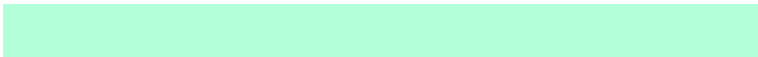
69.4267, 58.0081, 71.8277

# 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.



99.4387, 86.0469, 84.1206



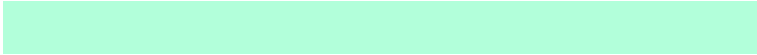
66.7750, 86.0469, 79.4190



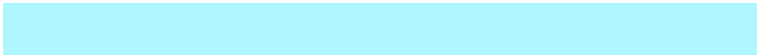
93.5662, 86.0469, 134.5083

# Square

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



66.7750, 86.0469, 79.4190



76.6369, 86.0469, 147.5258



98.8909, 86.0469, 109.5767

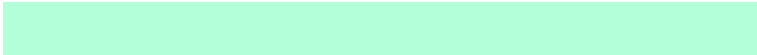


87.1586, 86.0469, 54.8617



# Rectangle

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



66.7750, 86.0469, 79.4190



68.2698, 86.0469, 121.5693



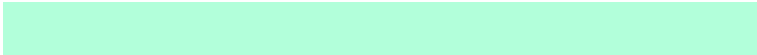
98.8909, 86.0469, 109.5767



96.9757, 86.0469, 70.4371

# Sweetspot

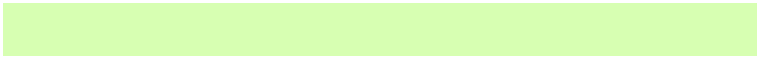
The Sweet Spot groups the original color and five complimentary colors.



66.7758, 86.0473, 79.4204



85.3799, 95.2141, 99.4441



71.8845, 89.2145, 55.5522



17.9620, 20.2251, 20.9695



0.0000, 0.0000, 0.0000

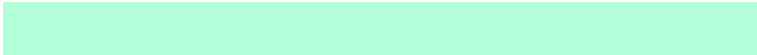


20.3446, 21.4041, 23.3091

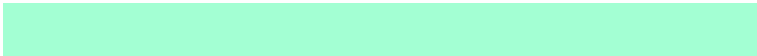


# Same Dimension

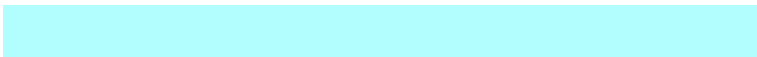
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7758, 86.0473, 79.4204



62.6493, 84.0253, 74.4719



71.7626, 87.3892, 107.6933



18.1657, 20.3258, 21.1753



20.9544, 38.2784, 18.1771



2.0955, 3.7491, 2.0607



# Inverse Universe

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



69.4267, 58.0081, 71.8277



65.6732, 52.0457, 65.8152



65.4535, 56.8293, 49.6401



18.3729, 18.1325, 20.5810



23.4761, 11.8797, 11.1573

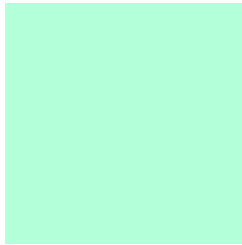


2.3406, 1.1786, 1.3752



# Previews

## White Background



This preview shows how the XYZ color 66.7750, 86.0469, 79.4190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

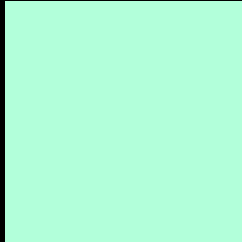
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.7750, 86.0469, 79.4190 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

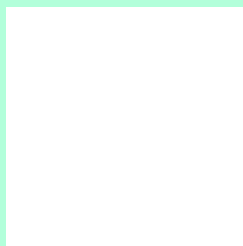
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.7750, 86.0469, 79.4190

## Background



This preview shows how black text looks on a background with the XYZ color 66.7750, 86.0469, 79.4190.



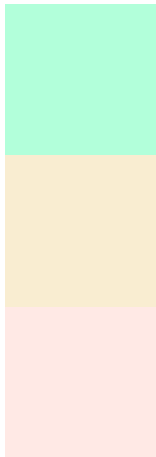
This preview shows how white text looks on a background with the XYZ color 66.7750, 86.0469,

79.4190.

# 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

66.7750, 86.0469, 79.4190

### Protanopia

80.8597, 85.3116, 72.5266

### Deuteranopia

84.5218, 85.1950, 86.1182



## Tritanopia

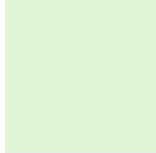
77.5521, 85.9184, 107.1042

# Trichromacy



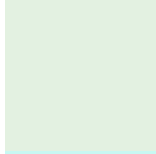
## Original Color

66.7750, 86.0469, 79.4190



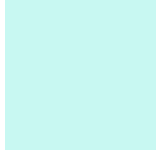
## Protanomaly

74.6658, 85.1428, 74.7863



## Deuteranomaly

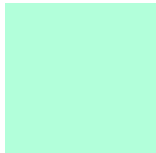
76.7245, 84.6777, 83.5348



## Tritanomaly

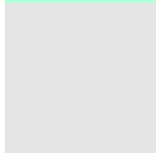
73.4138, 85.8250, 96.7010

# Monochromacy



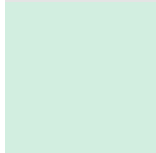
## Original Color

66.7750, 86.0469, 79.4190



## 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 66.7750, 86.0469, 79.4190 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 66.7750, 86.0469, 79.4190 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, 218) }
```



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

```
.border{ border-color:rgb(178, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.7750, 86.0469, 79.4190 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, 218) }
```

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

```
.background{ background-color: rgb(178,  
255, 218) }
```

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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