

# Converting Colors

XYZ(66.1451, 85.7410, 78.5387)

Have a look what the booklet for  
XYZ(66.1451, 85.7410, 78.5387)  
contains.

<b>XYZ(66.1889, 85.7599, 78.7104)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(66.1889, 85.7599,  
78.7104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FFD9
RGB	176, 255, 217
RGB Percent	69%, 100%, 85%
CMY	0.3098, 0.0000, 0.1490
CMYK	0.31, 0.00, 0.15, 0.00
HSL	151°, 100%, 85%
HSV	151°, 31%, 100%
XYZ	66.1889, 85.7599, 78.7104
YIQ	227.0470, -34.8860, -28.5660

# Conversions

## Conversions Part 2

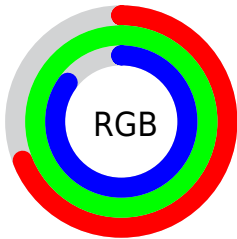
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 228, 255
Decimal	11599833
CIELab	94.21, -31.86, 10.52
CIELCh	94, 33.548, 161.723
Yxy	85.7599, 0.2870, 0.3718
Android (android.graphics.Color)	4289789913 (0xFFB0FFD9)
YUV	227.0470, -4.9532, -44.7682
Hunter-Lab	92.6066, -34.4820, 14.4315

# Details

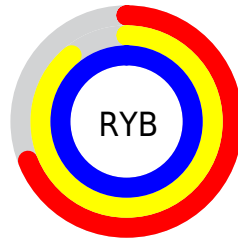
The XYZ color **66.1889, 85.7599, 78.7104** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.9034, 57.1666, 71.0212**, and the grayscale version is **73.1007, 76.9076, 83.7524**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **34.6008, 47.0617, 41.4426** is the 20% darker color. If you saturate the color by 10%, you get **59.4180, 82.4468, 70.3731**, and if you desaturate by 10%, it is **74.1629, 89.6793, 87.7258**.

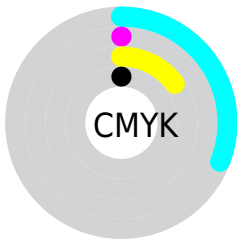
# Distribution



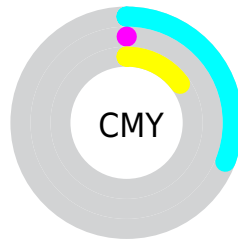
- Red (69%)
- Green (100%)
- Blue (85%)



- Red (69%)
- Yellow (89%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1889, 85.7599, 78.7104 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 66.1889, 85.7599, 78.7104 by changing the saturation by 10% instead.





 66.1889, 85.7599,  
78.7104

 66.1889, 85.7599,  
78.7104


436.5301,  
514.1392, 510.1678

 48.6940, 64.4695,  
58.1378


 112.8136,  
141.4344, 133.3461

 34.5904, 47.0310,  
41.5040


142.6742,  
176.5872, 168.2462

 23.5125, 33.0602,  
28.3905


177.3874,  
217.1296, 208.7593

 15.0952, 22.1725,  
18.3786

217.3186,  
263.4460, 255.3039

 8.9730, 13.9837,  
11.0499

262.8331,  
315.9208, 308.2985

 4.7805, 8.1094,  
5.9858

314.2963,

 2.1525, 4.1650,

374.9383, 368.1616

2.7678

372.0735,  
440.8829, 435.3119

■ 0.7175, 1.7663,  
0.9773

■ 0.0000, 0.4660,  
0.0000

■ 66.1889, 85.7599,  
78.7104

■ 66.1889, 85.7599,  
78.7104

■ 59.4180, 82.4468,  
70.3731

■ 74.1629, 89.6793,  
87.7258

■ 53.7845, 79.7068,  
62.6934

■ 83.3962, 94.2340,  
97.4307

■ 49.2198, 77.5047,  
55.6555

■ 93.9442, 99.4522,  
107.8417

■ 45.6465, 75.8008,  
49.2416

■ 95.0500, 100.0000,  
108.9000

■ 42.9759, 74.5499,  
43.4326

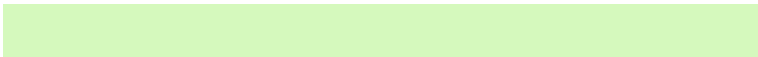
■ 41.1024, 73.6978,  
38.2080

■ 39.9485, 73.1954,  
33.9762

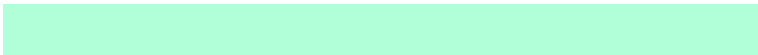
# Harmonies

## Analogous

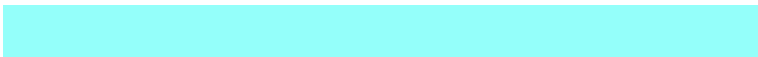
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5504, 85.7599, 61.1143



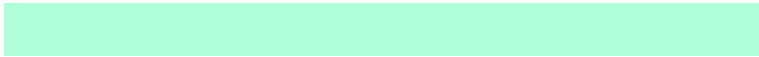
66.1889, 85.7599, 78.7104



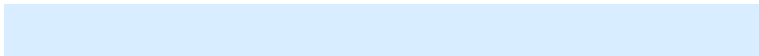
65.7452, 85.7599, 103.7922

# Triad

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



66.1889, 85.7599, 78.7104



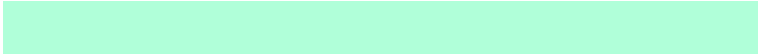
85.0718, 85.7599, 150.6591



95.0930, 85.7599, 64.1777

# Complementary

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



66.1889, 85.7599, 78.7104



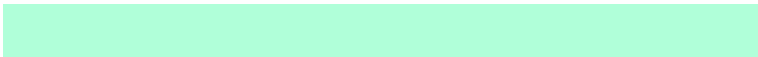
68.9034, 57.1666, 71.0212

# 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.



99.6177, 85.7599, 83.6847



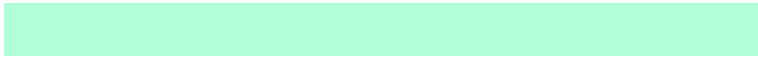
66.1889, 85.7599, 78.7104



93.5544, 85.7599, 135.3703

# Square

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



66.1889, 85.7599, 78.7104



76.2155, 85.7599, 148.6551



99.0348, 85.7599, 109.7631

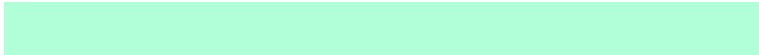


87.0489, 85.7599, 53.8476



# Rectangle

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



66.1889, 85.7599, 78.7104



67.6875, 85.7599, 121.8734



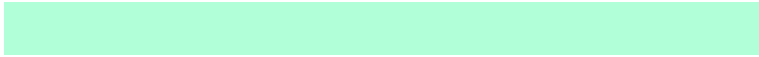
99.0348, 85.7599, 109.7631



97.1017, 85.7599, 69.7112

# Sweetspot

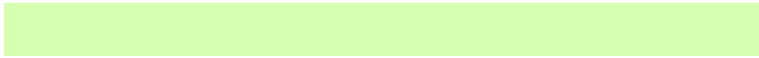
The Sweet Spot groups the original color and five complimentary colors.



66.1897, 85.7602, 78.7118



85.3782, 95.2135, 99.4350



71.3821, 88.9786, 54.4878



17.9616, 20.2250, 20.9673



0.0000, 0.0000, 0.0000

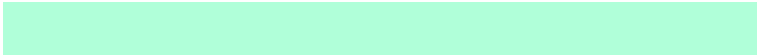


20.3446, 21.4041, 23.3091

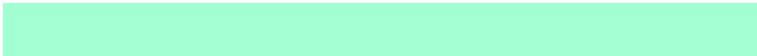


# Same Dimension

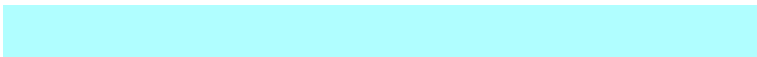
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.1897, 85.7602, 78.7118



61.9727, 83.6949, 73.6116



71.2964, 87.1332, 107.6684



18.1653, 20.3256, 21.1733



20.9499, 38.2765, 18.1532



2.0951, 3.7489, 2.0584



# Inverse Universe

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



68.9034, 57.1666, 71.0212



65.0683, 51.0854, 64.8442



64.8619, 55.9651, 48.4592



18.3733, 18.1326, 20.5831



23.4802, 11.8814, 11.1791

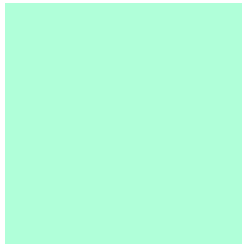


2.3410, 1.1788, 1.3774



# Previews

## White Background



This preview shows how the XYZ color 66.1889, 85.7599, 78.7104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

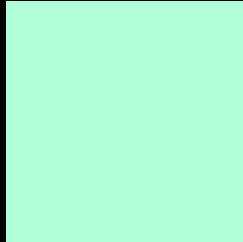
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1889, 85.7599, 78.7104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

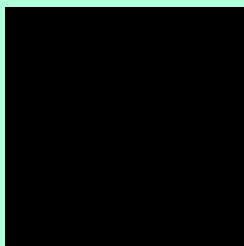
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

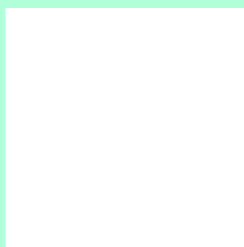
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.1889, 85.7599, 78.7104**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.1889, 85.7599, 78.7104.



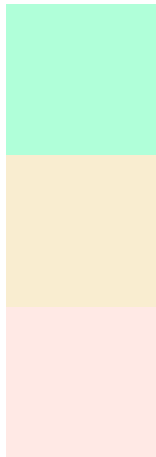
This preview shows how white text looks on a background with the XYZ color 66.1889, 85.7599,

78.7104.

# 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

66.1889, 85.7599, 78.7104

### Protanopia

80.7363, 85.2622, 71.8765

### Deuteranopia

84.5218, 85.1950, 86.1182



## Tritanopia

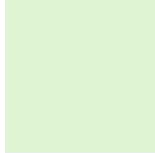
76.9646, 85.1701, 106.9907

# Trichromacy



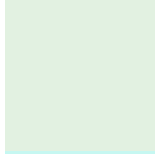
## Original Color

66.1889, 85.7599, 78.7104



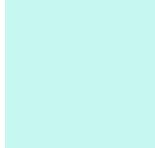
## Protanomaly

74.2328, 84.9341, 74.1095



## Deuteranomaly

76.4099, 84.5156, 83.5201



## Tritanomaly

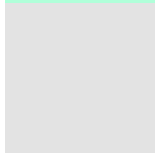
72.4267, 84.8782, 95.7849

# Monochromacy



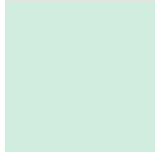
## Original Color

66.1889, 85.7599, 78.7104



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.6159, 79.3060, 81.4505

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1889, 85.7599, 78.7104 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(176, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1889, 85.7599, 78.7104 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(176, 255, 217) }
```



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

```
.border{ border-color:rgb(176, 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(176, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1889, 85.7599, 78.7104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 217) }
```

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

```
.background{ background-color: rgb(176,  
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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