

# Converting Colors

XYZ(66.4808, 85.2450, 78.5378)

Have a look what the booklet for  
XYZ(66.4808, 85.2450, 78.5378)  
contains.

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# Color

**XYZ(66.5566, 85.4771,  
78.6365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FED9
RGB	179, 254, 217
RGB Percent	70%, 100%, 85%
CMY	0.2980, 0.0039, 0.1490
CMYK	0.30, 0.00, 0.15, 0.00
HSL	150°, 97%, 85%
HSV	150°, 30%, 100%
XYZ	66.5566, 85.4771, 78.6365
YIQ	227.3570, -32.8230, -27.4070

# Conversions

## Conversions Part 2

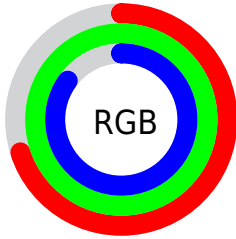
Format	Color
<b>RYB</b>	179, 229, 254
Decimal	11796185
CIELab	94.09, -30.51, 10.37
CIELCh	94, 32.227, 161.233
Yxy	85.4771, 0.2885, 0.3706
Android (android.graphics.Color)	4289986265 (0xFFB3FED9)
YUV	227.3570, -5.1060, -42.4091
Hunter-Lab	92.4538, -33.2938, 14.2886

# Details

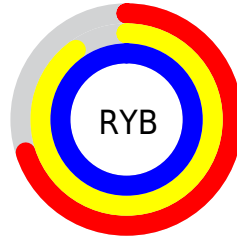
The XYZ color **66.5566, 85.4771, 78.6365** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.3907, 58.2710, 72.5593**, and the grayscale version is **73.3286, 77.1474, 84.0135**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **34.8000, 46.8262, 41.3866** is the 20% darker color. If you saturate the color by 10%, you get **59.6498, 82.1001, 70.1262**, and if you desaturate by 10%, it is **74.6732, 89.4681, 87.8533**.

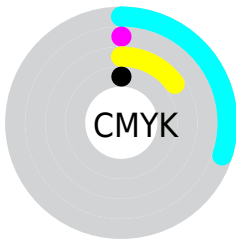
# Distribution



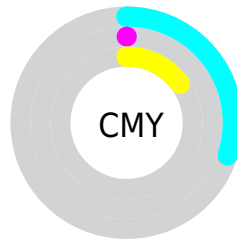
- Red (70%)
- Green (100%)
- Blue (85%)



- 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 66.5566, 85.4771, 78.6365 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 66.5566, 85.4771, 78.6365 by changing the saturation by 10% instead.





 66.5566, 85.4771,  
78.6365

 66.5566, 85.4771,  
78.6365


437.8222,  
513.2054, 509.9109

 48.9937, 64.2357,  
58.0774


 113.3381,  
141.0396, 133.2410

 34.8290, 46.8416,  
41.4558


143.2875,  
176.1294, 168.1236

 23.6971, 32.9104,  
28.3530


178.0965,  
216.6041, 208.6177

 15.2326, 22.0578,  
18.3506

218.1304,  
262.8482, 255.1419

 9.0702, 13.8994,  
11.0299

263.7545,  
315.2460, 308.1148

 4.8445, 8.0507,  
5.9726

315.3343,

 2.1901, 4.1274,

374.1818, 367.9549

2.7599

373.2351,  
440.0402, 435.0807

■ 0.7375, 1.7451,  
0.9734

■ 0.0000, 0.4526,  
0.0000

■ 66.5566, 85.4771,  
78.6365

■ 66.5566, 85.4771,  
78.6365

■ 59.6498, 82.1001,  
70.1262

■ 74.6732, 89.4681,  
87.8533

■ 53.8835, 79.2947,  
62.2993

■ 84.0501, 94.0920,  
97.7872

■ 49.1921, 77.0298,  
55.1399

94.6685, 99.3408,  
108.4526

■ 45.5000, 75.2667,  
48.6291

94.7334, 99.3668,  
108.7945

■ 42.7211, 73.9615,  
42.7470

■ 40.7534, 73.0618,  
37.4722

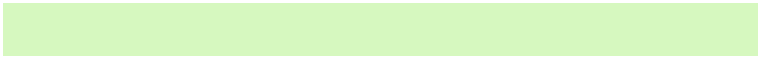
■ 39.4396, 72.4870,  
32.7800

■ 39.3853, 72.4636,  
32.5723

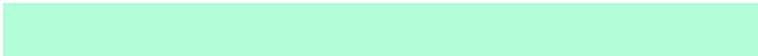
# Harmonies

## Analogous

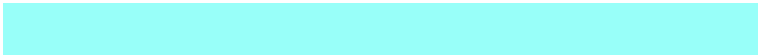
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8139, 85.4771, 61.7771



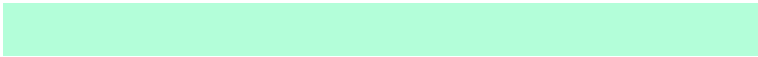
66.5566, 85.4771, 78.6365



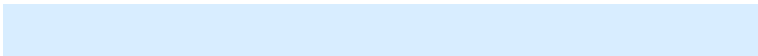
66.0650, 85.4771, 102.6140

# Triad

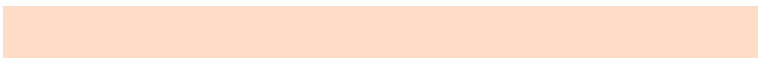
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.5566, 85.4771, 78.6365



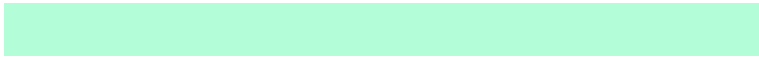
84.5109, 85.4771, 147.7422



94.3385, 85.4771, 65.1894

# Complementary

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



66.5566, 85.4771, 78.6365



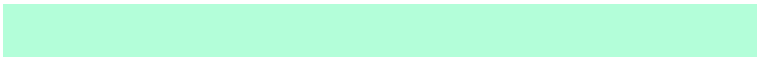
69.3907, 58.2710, 72.5593

# 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.



98.5849, 85.4771, 84.1370



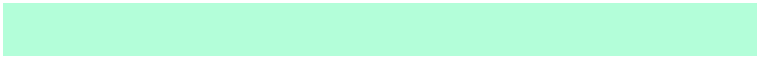
66.5566, 85.4771, 78.6365



92.6497, 85.4771, 133.4674

# Square

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



66.5566, 85.4771, 78.6365



76.0336, 85.4771, 145.5593



97.9460, 85.4771, 109.1697

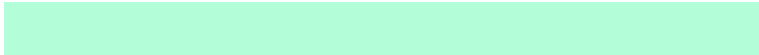


86.6860, 85.4771, 55.0129



# Rectangle

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



66.5566, 85.4771, 78.6365



67.8955, 85.4771, 119.8793



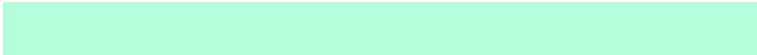
97.9460, 85.4771, 109.1697



96.2352, 85.4771, 70.5891

# Sweetspot

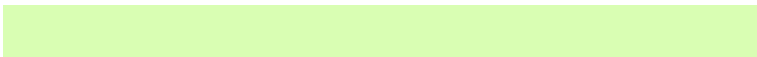
The Sweet Spot groups the original color and five complimentary colors.



66.5590, 85.4806, 78.6384



85.3351, 95.1963, 99.2085



72.0482, 88.8173, 55.9951



17.9510, 20.2207, 20.9115



0.0000, 0.0000, 0.0000

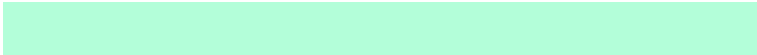


20.3446, 21.4041, 23.3091

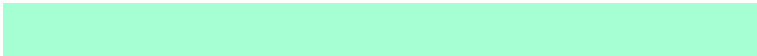


# Same Dimension

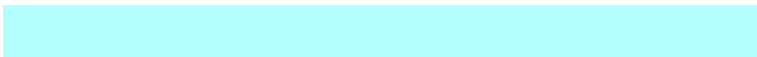
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5590, 85.4806, 78.6384



63.1874, 84.3016, 74.5486



71.9245, 87.6268, 106.8930



18.1556, 20.3218, 21.1223



20.8382, 38.2319, 17.5651



2.0841, 3.7446, 2.0008



# Inverse Universe

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



69.3907, 58.2710, 72.5593



66.4365, 53.0839, 67.5750



65.1323, 56.5676, 50.1347



18.3830, 18.1365, 20.6339



23.5851, 11.9233, 11.7315

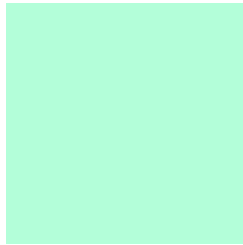


2.3514, 1.1830, 1.4321



# Previews

## White Background



This preview shows how the XYZ color 66.5566, 85.4771, 78.6365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

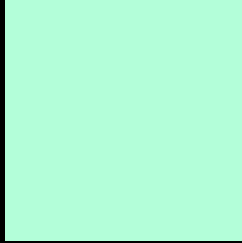
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.5566, 85.4771, 78.6365 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

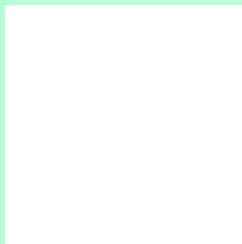
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.5566, 85.4771, 78.6365**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.5566, 85.4771, 78.6365.



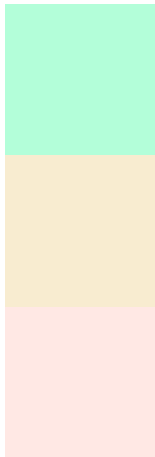
This preview shows how white text looks on a background with the XYZ color 66.5566, 85.4771,

78.6365.

# 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

66.5566, 85.4771, 78.6365

### Protanopia

80.0920, 84.5014, 71.7636

### Deuteranopia

84.1002, 84.5747, 85.2908



## Tritanopia

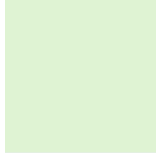
76.9646, 85.1701, 106.9907

# Trichromacy



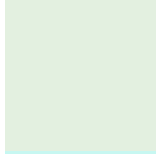
## Original Color

66.5566, 85.4771, 78.6365



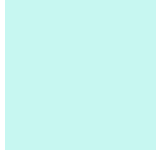
## Protanomaly

74.2399, 84.4923, 74.0238



## Deuteranomaly

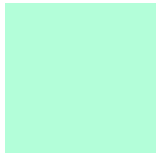
76.2932, 84.0329, 82.7199



## Tritanomaly

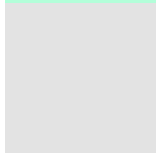
72.6911, 85.0145, 95.7973

# Monochromacy



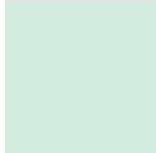
## Original Color

66.5566, 85.4771, 78.6365



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

70.1818, 79.5977, 81.4770

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.5566, 85.4771, 78.6365 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, 254, 217)` looks like.

```
.text, #text, p{  
    color:rgb(179, 254, 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, 254, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 254, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 66.5566, 85.4771, 78.6365 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, 254, 217) }
```



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

```
.border{ border-color:rgb(179, 254, 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, 254, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 254, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 254, 217);  
box-shadow:4px 4px 4px 4px rgb(179, 254,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.5566, 85.4771, 78.6365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 254, 217) }
```

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

```
.background{ background-color: rgb(179,  
254, 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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