

Converting Colors

XYZ(65.6622, 85.5492, 75.9358)

Have a look what the booklet for
XYZ(65.6622, 85.5492, 75.9358)
contains.

XYZ(65.6747, 85.5542, 76.0030)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.6747, 85.5542,
76.0030)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFD5
RGB	176, 255, 213
RGB Percent	69%, 100%, 84%
CMY	0.3098, 0.0000, 0.1647
CMYK	0.31, 0.00, 0.16, 0.00
HSL	148°, 100%, 85%
HSV	148°, 31%, 100%
XYZ	65.6747, 85.5542, 76.0030
YIQ	226.5910, -33.6020, -29.8100

Conversions

Conversions Part 2

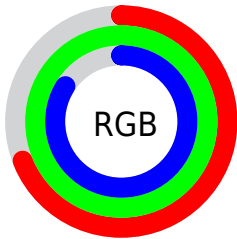
Format	Color
RYB	176, 230, 255
Decimal	11599829
CIELab	94.12, -32.63, 12.45
CIElCh	94, 34.921, 159.112
Yxy	85.5542, 0.2890, 0.3765
Android (android.graphics.Color)	4289789909 (0xFFB0FFD5)
YUV	226.5910, -6.7004, -44.3683
Hunter-Lab	92.4955, -35.1266, 16.0286

Details

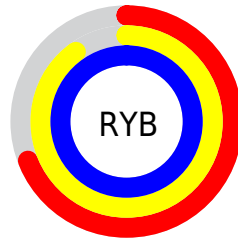
The XYZ color **65.6747, 85.5542, 76.0030** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69.4206, 57.3734, 73.7449**, and the grayscale version is **72.7809, 76.5712, 83.3860**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **34.2508, 46.9217, 39.5993** is the 20% darker color. If you saturate the color by 10%, you get **58.7909, 82.1960, 67.0712**, and if you desaturate by 10%, it is **73.7868, 89.5289, 85.7459**.

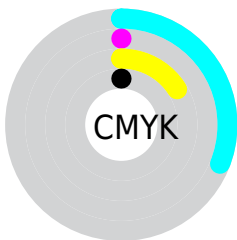
Distribution



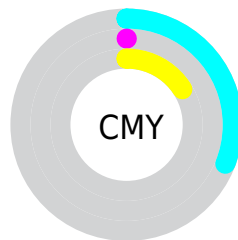
- Red (69%)
- Green (100%)
- Blue (84%)



- Red (69%)
- Yellow (90%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6747, 85.5542, 76.0030 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 65.6747, 85.5542, 76.0030 by changing the saturation by 10% instead.

65.6747, 85.5542,
76.0030

65.6747, 85.5542,
76.0030

434.7196,
513.4601, 500.7051

48.2751, 64.2994,
55.9283

112.0796,
141.1472, 129.4913

34.2570, 46.8932,
39.7418

141.8157,
176.2542, 163.7419

23.2549, 32.9512,
27.0251

176.3946,
216.7474, 203.5550

14.9036, 22.0891,
17.3594

216.1817,
263.0112, 249.3490

8.8376, 13.9224,
10.3264

261.5424,
315.4300, 301.5424

4.6917, 8.0667,
5.5075

312.8421,

2.1004, 4.1377,

374.3881, 360.5539

2.4841

370.4460,
440.2700, 426.8019

■ 0.6894, 1.7509,
0.8317

■ 0.0000, 0.4563,
0.0000

■ 65.6747, 85.5542,
76.0030

■ 65.6747, 85.5542,
76.0030

■ 58.7909, 82.1960,
67.0712

■ 73.7868, 89.5289,
85.7459

■ 53.0688, 79.4206,
58.9251

■ 83.1845, 94.1493,
96.3163

■ 48.4390, 77.1923,
51.5438

■ 93.9238, 99.4440,
107.7350

■ 44.8227, 75.4713,
44.9039

■ 95.0500, 100.0000,
108.9000

■ 42.1305, 74.2117,
38.9805

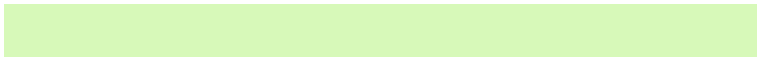
■ 40.2552, 73.3589,
33.7469

■ 39.1159, 72.8624,
29.5919

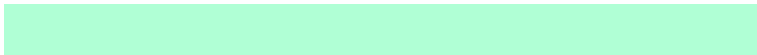
Harmonies

Analogous

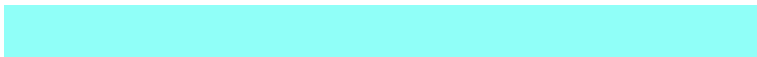
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5119, 85.5542, 58.6923



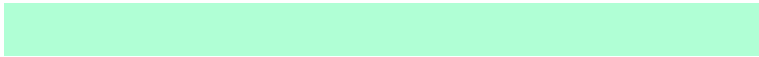
65.6747, 85.5542, 76.0030



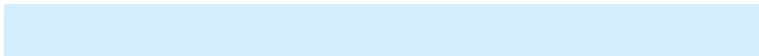
64.8516, 85.5542, 101.5335

Triad

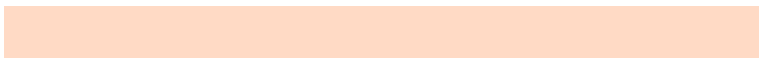
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.6747, 85.5542, 76.0030



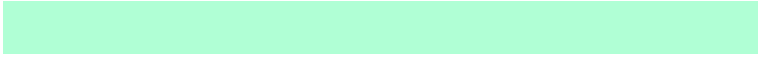
84.1923, 85.5542, 153.6811



96.0526, 85.5542, 64.3451

Complementary

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



65.6747, 85.5542, 76.0030



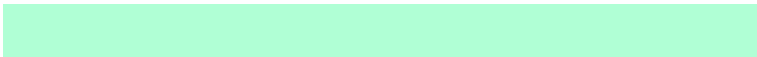
69.4206, 57.3734, 73.7449

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.



100.3564, 85.5542, 85.2486



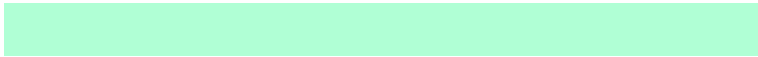
65.6747, 85.5542, 76.0030



93.1724, 85.5542, 138.9991

Square

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



65.6747, 85.5542, 76.0030



75.0840, 85.5542, 149.9017



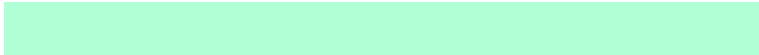
99.2639, 85.5542, 112.7086



87.8851, 85.5542, 52.9107

Rectangle

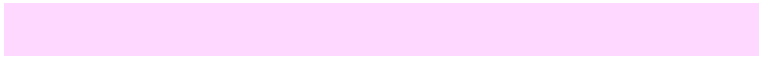
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



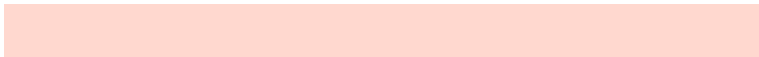
65.6747, 85.5542, 76.0030



66.6226, 85.5542, 120.4660



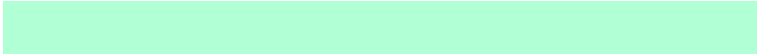
99.2639, 85.5542, 112.7086



98.0265, 85.5542, 70.3175

Sweetspot

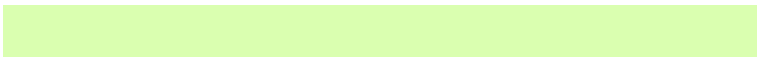
The Sweet Spot groups the original color and five complimentary colors.



65.6754, 85.5545, 76.0044



85.2023, 95.1431, 98.5088



72.5503, 89.5808, 54.5423



17.9183, 20.2077, 20.7393



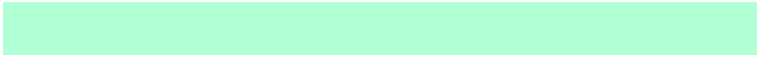
0.0000, 0.0000, 0.0000



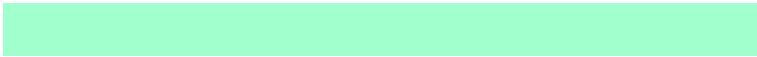
20.3446, 21.4041, 23.3091

Same Dimension

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



65.6754, 85.5545, 76.0044



61.3877, 83.4608, 70.5308



71.2938, 87.8019, 105.5903



18.1257, 20.3098, 20.9647



20.5128, 38.1017, 15.8516



2.0519, 3.7317, 1.8310

Inverse Universe

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



69.4206, 57.3734, 73.7449



65.6578, 51.3212, 67.9483



64.8655, 55.5514, 49.7583



18.4130, 18.1485, 20.7920



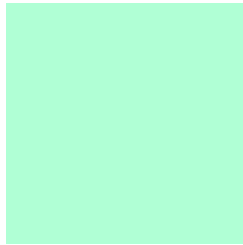
23.9310, 12.0617, 13.5528



2.3853, 1.1965, 1.6104

Previews

White Background



This preview shows how the XYZ color 65.6747, 85.5542, 76.0030 looks on a white background.

Color Contrast Check

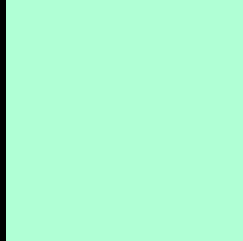
Large Text (above 18pt) WCAG AA × Fail

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 65.6747, 85.5542, 76.0030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

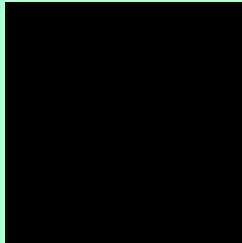
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

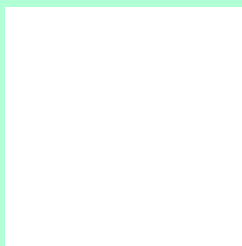
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.6747, 85.5542, 76.0030

Background



This preview shows how black text looks on a background with the XYZ color 65.6747, 85.5542, 76.0030.



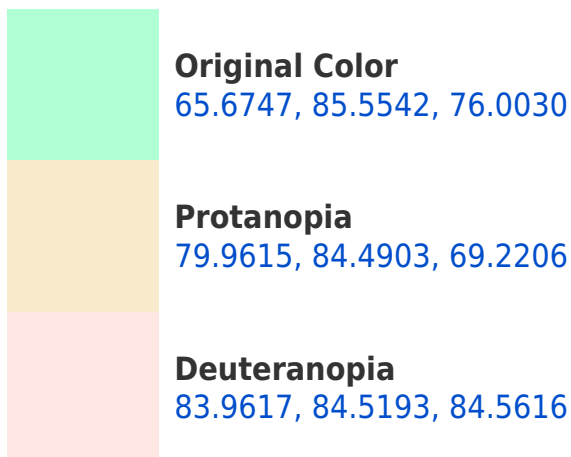
This preview shows how white text looks on a background with the XYZ color 65.6747, 85.5542,

76.0030.

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

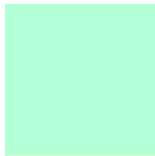




Tritanopia

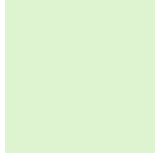
76.6789, 85.0228, 106.9774

Trichromacy



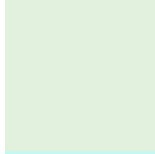
Original Color

65.6747, 85.5542, 76.0030



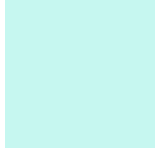
Protanomaly

73.4373, 84.1358, 71.4008



Deuteranomaly

75.7089, 83.7629, 81.2848



Tritanomaly

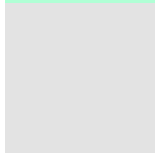
72.2776, 84.8186, 95.0003

Monochromacy



Original Color

65.6747, 85.5542, 76.0030



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.4814, 79.2522, 80.7424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6747, 85.5542, 76.0030 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 65.6747, 85.5542, 76.0030 is called "border". The border property can be set on classes, ids or directly on the HTML element.

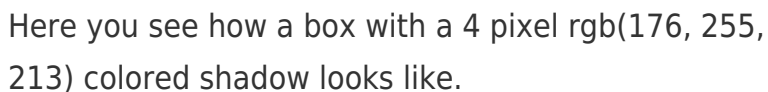
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 255, 213) }
```


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

```
.border{ border-color:rgb(176, 255, 213) }
```

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, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 213); box-shadow:4px 4px 4px 4px rgb(176, 255, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6747, 85.5542, 76.0030 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, 213) }
```

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

```
.background{ background-color: rgb(176,  
255, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor