

Converting Colors

XYZ(65.9092, 85.6756, 75.9921)

Have a look what the booklet for
XYZ(65.9092, 85.6756, 75.9921)
contains.

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Color

**XYZ(65.9017, 85.6712,
76.0136)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FFD5
RGB	177, 255, 213
RGB Percent	69%, 100%, 84%
CMY	0.3059, 0.0000, 0.1647
CMYK	0.31, 0.00, 0.16, 0.00
HSL	148°, 100%, 85%
HSV	148°, 31%, 100%
XYZ	65.9017, 85.6712, 76.0136
YIQ	226.8900, -33.0060, -29.5980

Conversions

Conversions Part 2

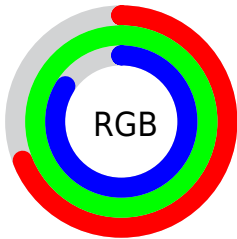
Format	Color
RYB	177, 230, 255
Decimal	11665365
CIELab	94.17, -32.33, 12.53
CIELCh	94, 34.677, 158.819
Yxy	85.6712, 0.2896, 0.3764
Android (android.graphics.Color)	4289855445 (0xFFB1FFD5)
YUV	226.8900, -6.8478, -43.7535
Hunter-Lab	92.5587, -34.8860, 16.0994

Details

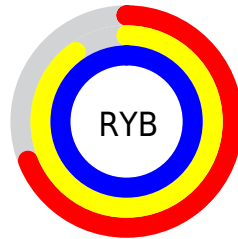
The XYZ color **65.9017, 85.6712, 76.0136** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69.7488, 57.8196, 74.5020**, and the grayscale version is **72.9989, 76.8005, 83.6357**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **34.3917, 46.9944, 39.6059** is the 20% darker color. If you saturate the color by 10%, you get **58.9563, 82.2836, 66.9733**, and if you desaturate by 10%, it is **74.0815, 89.6780, 85.8847**.

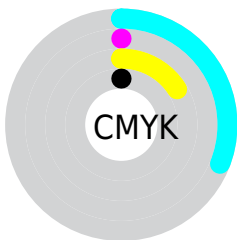
Distribution



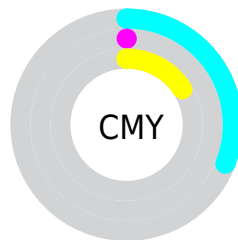
- Red (69%)
- Green (100%)
- Blue (84%)



- 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 65.9017, 85.6712, 76.0136 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 65.9017, 85.6712, 76.0136 by changing the saturation by 10% instead.


 65.9017, 85.6712,
76.0136

 65.9017, 85.6712,
76.0136


435.5194,
513.8464, 500.7423

 48.4600, 64.3961,
55.9369


 112.4037,
141.3106, 129.5064

 34.4041, 46.9716,
39.7487


142.1948,
176.4436, 163.7596

 23.3686, 33.0132,
27.0304


176.8331,
216.9648, 203.5754

 14.9881, 22.1365,
17.3634

216.6839,
263.2585, 249.3724

 8.8973, 13.9573,
10.3292

262.1125,
315.7092, 301.5690

 4.7308, 8.0910,
5.5093

313.4844,

 2.1233, 4.1532,

374.7011, 360.5838

2.4852

371.1650,
440.6187, 426.8354

■ 0.7018, 1.7596,
0.8323

■ 0.0000, 0.4618,
0.0000

■ 65.9017, 85.6712,
76.0136

■ 65.9017, 85.6712,
76.0136

■ 58.9563, 82.2836,
66.9733

■ 74.0815, 89.6780,
85.8847

■ 53.1787, 79.4815,
58.7377

■ 83.5527, 94.3332,
96.6036

■ 48.4995, 77.2293,
51.2850

■ 94.3715, 99.6652,
108.1919

■ 44.8403, 75.4873,
44.5911

■ 95.0500, 100.0000,
108.9000

■ 42.1118, 74.2099,
38.6303

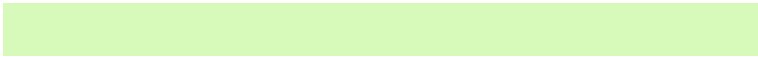
■ 40.2077, 73.3426,
33.3750

■ 39.0119, 72.8208,
29.0444

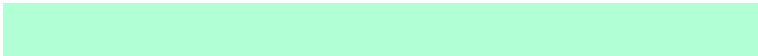
Harmonies

Analogous

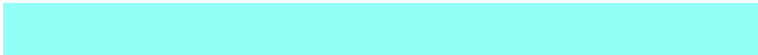
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7499, 85.6712, 58.8709



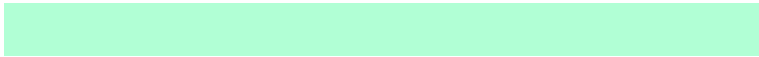
65.9017, 85.6712, 76.0136



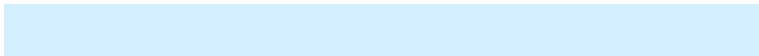
65.0421, 85.6712, 101.3349

Triad

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



65.9017, 85.6712, 76.0136



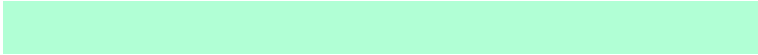
84.1935, 85.6712, 153.4190



96.1318, 85.6712, 64.7819

Complementary

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



65.9017, 85.6712, 76.0136



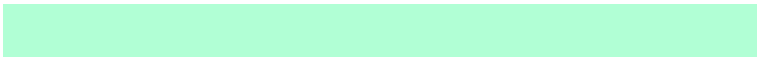
69.7488, 57.8196, 74.5020

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.



100.3577, 85.6712, 85.6662



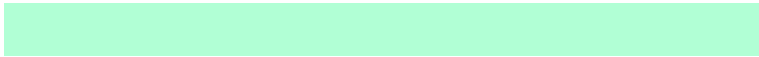
65.9017, 85.6712, 76.0136



93.1296, 85.6712, 139.0146

Square

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



65.9017, 85.6712, 76.0136



75.1513, 85.6712, 149.4859



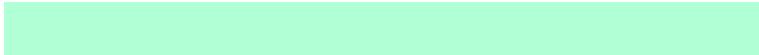
99.2192, 85.6712, 112.9842



88.0446, 85.6712, 53.2942

Rectangle

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



65.9017, 85.6712, 76.0136



66.7777, 85.6712, 120.1382



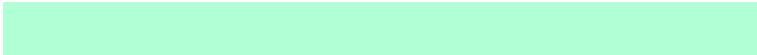
99.2192, 85.6712, 112.9842



98.0779, 85.6712, 70.7587

Sweetspot

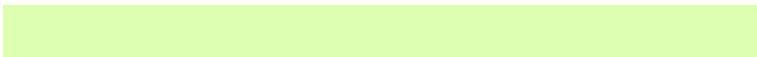
The Sweet Spot groups the original color and five complimentary colors.



65.9025, 85.6716, 76.0150



85.1787, 95.1337, 98.3845



73.1813, 89.8946, 55.0904



17.9125, 20.2053, 20.7088



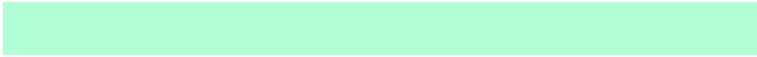
0.0000, 0.0000, 0.0000



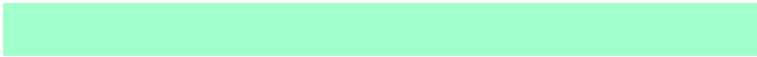
20.3446, 21.4041, 23.3091

Same Dimension

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



65.9025, 85.6716, 76.0150



61.3103, 83.4299, 70.1230



71.3203, 87.8387, 104.5451



18.1203, 20.3077, 20.9367



20.4581, 38.0798, 15.5635



2.0464, 3.7295, 1.8021

Inverse Universe

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



69.7488, 57.8196, 74.5020



65.7385, 51.3535, 68.3734



65.2930, 56.0373, 51.0383



18.4184, 18.1507, 20.8203



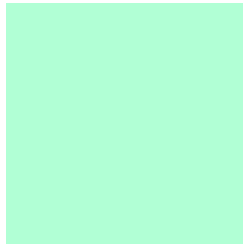
23.9959, 12.0877, 13.8947



2.3916, 1.1990, 1.6435

Previews

White Background



This preview shows how the XYZ color 65.9017, 85.6712, 76.0136 looks on a white background.

Color Contrast Check

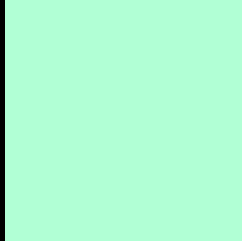
Large Text (above 18pt) WCAG AA × Fail

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 65.9017, 85.6712, 76.0136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

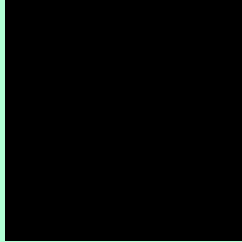
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

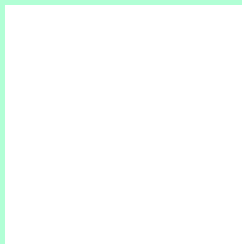
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.9017, 85.6712, 76.0136

Background



This preview shows how black text looks on a background with the XYZ color 65.9017, 85.6712, 76.0136.



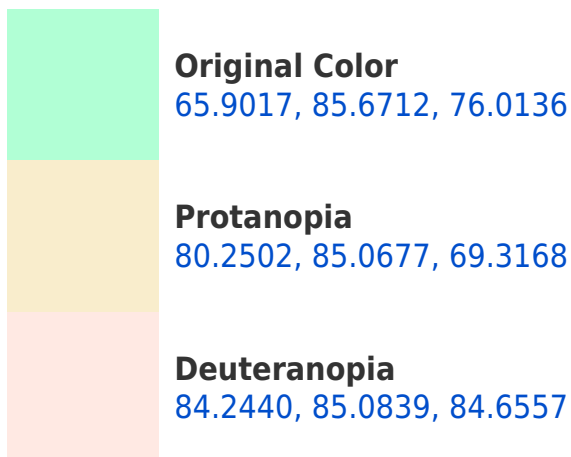
This preview shows how white text looks on a background with the XYZ color 65.9017, 85.6712,

76.0136.

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

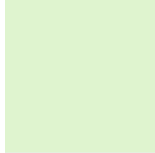
76.9646, 85.1701, 106.9907

Trichromacy



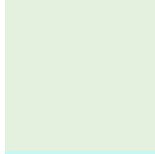
Original Color

65.9017, 85.6712, 76.0136



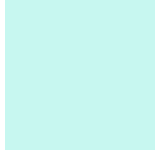
Protanomaly

74.0446, 84.8943, 71.5152



Deuteranomaly

76.3187, 84.5154, 81.3979



Tritanomaly

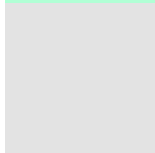
72.5421, 84.9549, 95.0126

Monochromacy



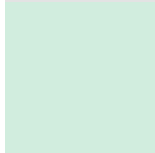
Original Color

65.9017, 85.6712, 76.0136



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.7635, 79.3976, 80.7556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9017, 85.6712, 76.0136 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(177, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 65.9017, 85.6712, 76.0136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

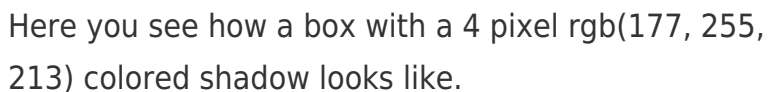
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 255, 213) }
```


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

```
.border{ border-color:rgb(177, 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(177, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 255, 213); box-shadow:4px 4px 4px 4px rgb(177, 255, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9017, 85.6712, 76.0136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 213) }
```

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

```
.background{ background-color: rgb(177,  
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](#).

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