

Converting Colors

XYZ(64.7835, 85.0948, 75.9613)

Have a look what the booklet for
XYZ(64.7835, 85.0948, 75.9613)
contains.

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Color

**XYZ(64.7835, 85.0948,
75.9613)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFD5
RGB	172, 255, 213
RGB Percent	67%, 100%, 84%
CMY	0.3255, 0.0000, 0.1647
CMYK	0.33, 0.00, 0.16, 0.00
HSL	150°, 100%, 84%
HSV	150°, 33%, 100%
XYZ	64.7835, 85.0948, 75.9613
YIQ	225.3950, -35.9860, -30.6580

Conversions

Conversions Part 2

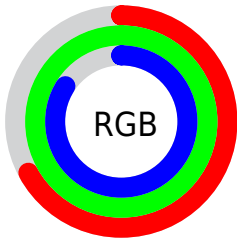
Format	Color
RYB	172, 228, 255
Decimal	11337685
CIELab	93.92, -33.78, 12.14
CIELCh	94, 35.900, 160.230
Yxy	85.0948, 0.2869, 0.3768
Android (android.graphics.Color)	4289527765 (0xFFACFFD5)
YUV	225.3950, -6.1107, -46.8274
Hunter-Lab	92.2468, -36.0742, 15.7500

Details

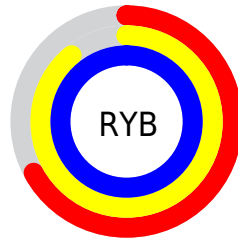
The XYZ color **64.7835, 85.0948, 75.9613** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.1305, 55.6209, 70.7634**, and the grayscale version is **71.9132, 75.6583, 82.3919**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **33.7018, 46.6387, 39.5737** is the 20% darker color. If you saturate the color by 10%, you get **58.1404, 81.8519, 67.4388**, and if you desaturate by 10%, it is **72.6321, 88.9440, 85.2232**.

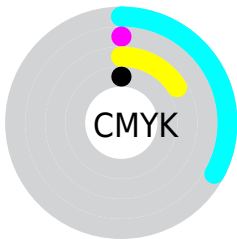
Distribution



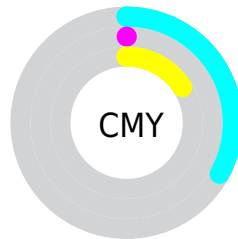
- Red (67%)
- Green (100%)
- Blue (84%)



- Red (67%)
- Yellow (89%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7835, 85.0948, 75.9613 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 64.7835, 85.0948, 75.9613 by changing the saturation by 10% instead.


 64.7835, 85.0948,
75.9613

 64.7835, 85.0948,
75.9613


431.5711,
511.9417, 500.5585

 47.5496, 63.9197,
55.8943


 110.8060,
140.5056, 129.4318

 33.6801, 46.5857,
39.7148


140.3253,
175.5101, 163.6724

 22.8097, 32.7082,
27.0041


174.6704,
215.8933, 203.4745

 14.5730, 21.9030,
17.3439

214.2067,
262.0394, 249.2569

 8.6046, 13.7857,
10.3154

259.2996,
314.3329, 301.4379

 4.5392, 7.9717,
5.5003

310.3144,

 2.0115, 4.0769,

373.1582, 360.4362

2.4798

367.6164,
438.8997, 426.6702

■ 0.6404, 1.7167,
0.8294

■ 0.0000, 0.4344,
0.0000

■ 64.7835, 85.0948,
75.9613

■ 64.7835, 85.0948,
75.9613

■ 58.1404, 81.8519,
67.4388

■ 72.6321, 88.9440,
85.2232

■ 52.6360, 79.1813,
59.6328

■ 81.7438, 93.4290,
95.2385

■ 48.2002, 77.0473,
52.5251

■ 92.1747, 98.5784,
106.0257

■ 44.7533, 75.4091,
46.0950

95.0500, 100.0000,
108.9000

■ 42.2042, 74.2202,
40.3205

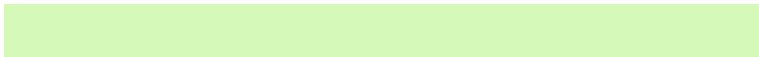
■ 40.4429, 73.4242,
35.1779

■ 39.5238, 73.0255,
31.7397

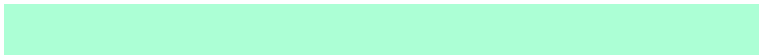
Harmonies

Analogous

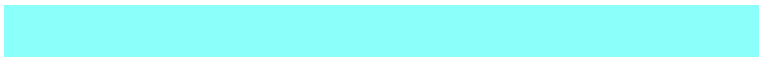
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5779, 85.0948, 57.9894



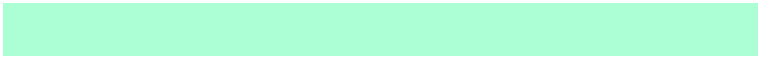
64.7835, 85.0948, 75.9613



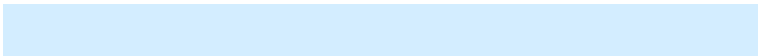
64.1034, 85.0948, 102.3228

Triad

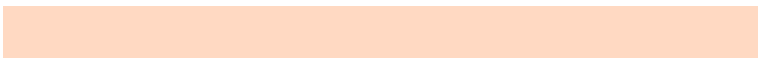
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.7835, 85.0948, 75.9613



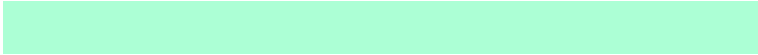
84.1893, 85.0948, 154.7273



95.7434, 85.0948, 62.6388

Complementary

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



64.7835, 85.0948, 75.9613



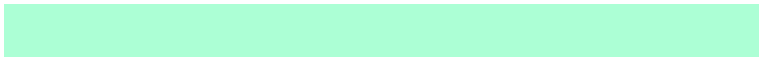
68.1305, 55.6209, 70.7634

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.



100.3548, 85.0948, 83.6139



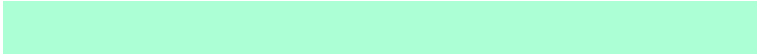
64.7835, 85.0948, 75.9613



93.3443, 85.0948, 138.9444

Square

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



64.7835, 85.0948, 75.9613



74.8196, 85.0948, 151.5591



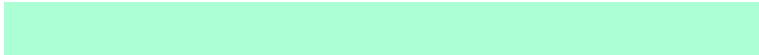
99.4438, 85.0948, 111.6283



87.2592, 85.0948, 51.4130

Rectangle

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



64.7835, 85.0948, 75.9613



66.0129, 85.0948, 121.7709



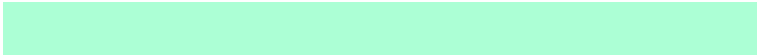
99.4438, 85.0948, 111.6283



97.8270, 85.0948, 68.5928

Sweetspot

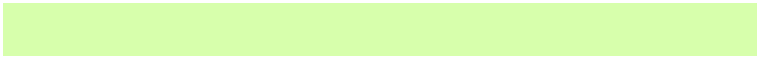
The Sweet Spot groups the original color and five complimentary colors.



64.7842, 85.0951, 75.9627



84.2744, 94.6770, 97.9133



71.1970, 88.9282, 52.4432



17.7372, 20.1163, 20.6404



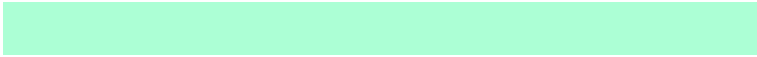
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.7842, 85.0951, 75.9627



60.3639, 82.9353, 70.3801



70.6018, 87.4221, 106.5975



18.1457, 20.3178, 21.0701



20.7271, 38.1875, 16.9803



2.0732, 3.7402, 1.9432

Inverse Universe

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



68.1305, 55.6209, 70.7634



64.1782, 49.3362, 64.4519



63.5731, 53.7979, 46.7643



18.3929, 18.1405, 20.6861



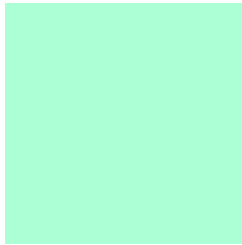
23.6960, 11.9677, 12.3153



2.3624, 1.1873, 1.4896

Previews

White Background



This preview shows how the XYZ color 64.7835, 85.0948, 75.9613 looks on a white background.

Color Contrast Check

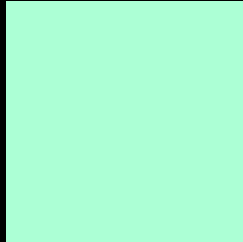
Large Text (above 18pt) WCAG AA × Fail

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 64.7835, 85.0948, 75.9613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

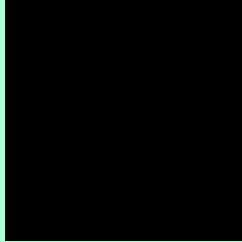
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7835, 85.0948, 75.9613

Background



This preview shows how black text looks on a background with the XYZ color 64.7835, 85.0948, 75.9613.



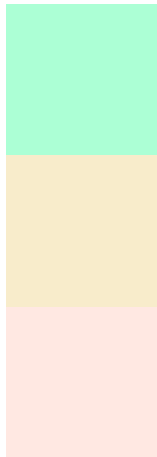
This preview shows how white text looks on a background with the XYZ color 64.7835, 85.0948,

75.9613.

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

64.7835, 85.0948, 75.9613

Protanopia

79.4863, 84.2592, 68.5742

Deuteranopia

83.8241, 84.4642, 83.8367



Tritanopia

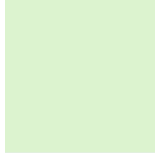
76.1130, 84.7311, 106.9509

Trichromacy



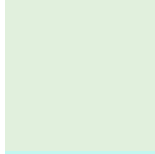
Original Color

64.7835, 85.0948, 75.9613



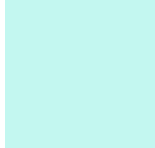
Protanomaly

72.8283, 83.8218, 71.3723



Deuteranomaly

75.2626, 83.5482, 80.5663



Tritanomaly

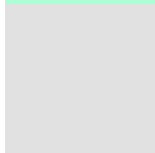
71.4946, 84.4149, 94.9636

Monochromacy



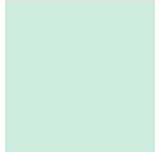
Original Color

64.7835, 85.0948, 75.9613



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.5002, 78.3332, 79.9161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7835, 85.0948, 75.9613 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(172, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 64.7835, 85.0948, 75.9613 is called "border". The border property can be set on classes, ids or directly on the HTML element.

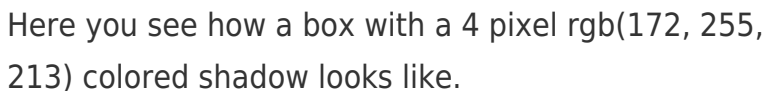
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 255, 213) }
```


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

```
.border{ border-color:rgb(172, 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(172, 255, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 255, 213); box-shadow:4px 4px 4px 4px rgb(172, 255, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7835, 85.0948, 75.9613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 213) }
```

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

```
.background{ background-color: rgb(172,  
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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