

Converting Colors

XYZ(68.4335, 85.6074, 94.3833)

Have a look what the booklet for
XYZ(68.4335, 85.6074, 94.3833)
contains.

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Color

**XYZ(68.3845, 85.5965,
94.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFDEF
RGB	175, 253, 239
RGB Percent	69%, 99%, 94%
CMY	0.3137, 0.0078, 0.0627
CMYK	0.31, 0.00, 0.06, 0.01
HSL	169°, 95%, 84%
HSV	169°, 31%, 99%
XYZ	68.3845, 85.5965, 94.5789
YIQ	228.0820, -41.9940, -20.8900

Conversions

Conversions Part 2

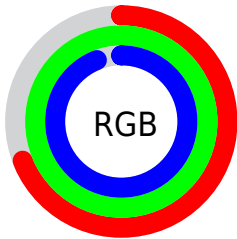
Format	Color
RYB	175, 218, 253
Decimal	11533807
CIELab	94.14, -26.71, -0.93
CIElCh	94, 26.723, 181.998
Yxy	85.5965, 0.2751, 0.3444
Android (android.graphics.Color)	4289723887 (0xFFAFFDEF)
YUV	228.0820, 5.3826, -46.5529
Hunter-Lab	92.5184, -29.9698, 4.1524

Details

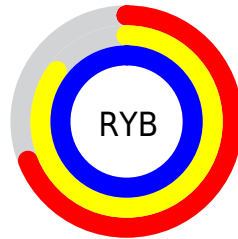
The XYZ color **68.3845, 85.5965, 94.5789** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.0263, 55.2191, 55.3787**, and the grayscale version is **73.7887, 77.6314, 84.5406**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **36.0329, 46.8918, 51.9516** is the 20% darker color. If you saturate the color by 10%, you get **62.5673, 82.6764, 90.8492**, and if you desaturate by 10%, it is **75.2873, 89.0787, 98.4511**.

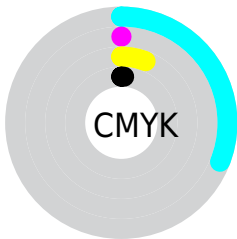
Distribution



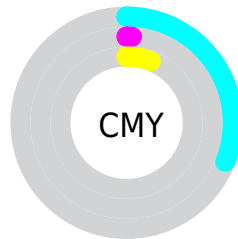
- Red (69%)
- Green (99%)
- Blue (94%)



- Red (69%)
- Yellow (85%)
- Blue (99%)



- Cyan (31%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (31%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3845, 85.5965, 94.5789 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 68.3845, 85.5965, 94.5789 by changing the saturation by 10% instead.


 68.3845, 85.5965,
94.5789

 68.3845, 85.5965,
94.5789

444.2125,
513.5998, 563.7659

 50.4854, 64.3344,
71.1896


 115.9409,
141.2063, 155.6733

 36.0186, 46.9215,
52.0141


146.3290,
176.3227, 194.2154

 24.6188, 32.9736,
36.6340


181.6107,
216.8260, 238.6456

 15.9205, 22.1063,
24.6307

222.1515,
263.1006, 289.3824

 9.5584, 13.9350,
15.5856

268.3168,
315.5309, 346.8442

 5.1672, 8.0755,
9.0802

320.4718,

 2.3814, 4.1433,

374.5013, 411.4497

4.6960

378.9819,
440.3961, 483.6174

■ 0.8358, 1.7540,
2.0144

■ 0.0000, 0.4583,
0.5641

■ 68.3845, 85.5965,
94.5789

■ 68.3845, 85.5965,
94.5789

■ 62.5673, 82.6764,
90.8492

■ 75.2873, 89.0787,
98.4511

■ 57.7686, 80.2772,
87.2528

■ 83.3234, 93.1410,
102.4631

■ 53.9255, 78.3687,
83.7879

■ 92.5464, 97.8132,
106.6200

■ 50.9646, 76.9131,
80.4503

■ 94.4168, 98.7335,
108.6889

■ 48.8019, 75.8671,
77.2356

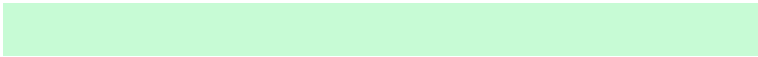
■ 47.3369, 75.1789,
74.1383

■ 46.4609, 74.7872,
71.3939

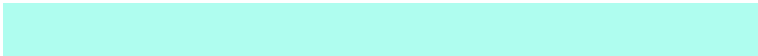
Harmonies

Analogous

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



69.8194, 85.5965, 75.9206



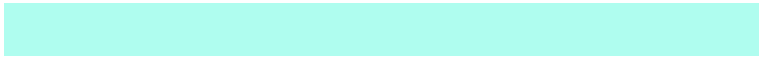
68.3845, 85.5965, 94.5789



70.2530, 85.5965, 115.6430

Triad

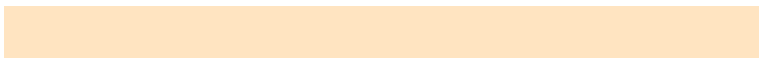
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.3845, 85.5965, 94.5789



88.8563, 85.5965, 130.7091



87.9791, 85.5965, 62.5973

Complementary

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



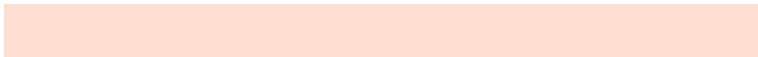
68.3845, 85.5965, 94.5789



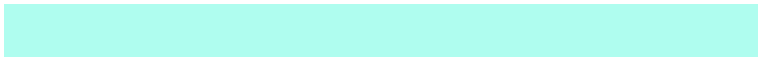
65.0263, 55.2191, 55.3787

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.



93.5732, 85.5965, 73.8665



68.3845, 85.5965, 94.5789



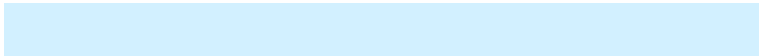
94.1001, 85.5965, 112.9204

Square

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



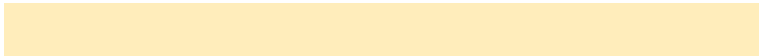
68.3845, 85.5965, 94.5789



81.8370, 85.5965, 138.3122



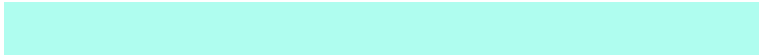
95.8741, 85.5965, 91.8346



80.8787, 85.5965, 59.1484

Rectangle

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



68.3845, 85.5965, 94.5789



73.1880, 85.5965, 127.7701



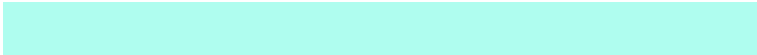
95.8741, 85.5965, 91.8346



90.1121, 85.5965, 65.5062

Sweetspot

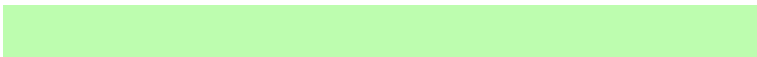
The Sweet Spot groups the original color and five complimentary colors.



68.3870, 85.6000, 94.5809



86.4486, 95.6416, 105.0720



63.9266, 84.2065, 53.4433



18.2260, 20.3307, 22.3597



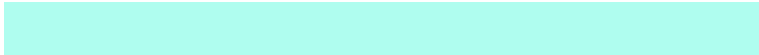
0.0000, 0.0000, 0.0000



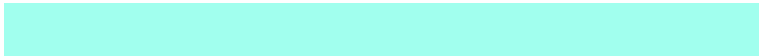
20.3446, 21.4041, 23.3091

Same Dimension

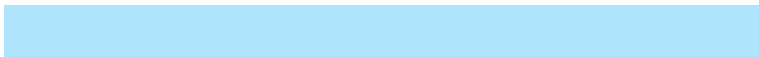
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3870, 85.6000, 94.5809



65.8293, 85.2375, 93.9198



63.2375, 71.8608, 103.4700



18.4067, 20.4222, 22.4446



24.7641, 39.8022, 38.2384



2.4461, 3.8894, 3.9068

Inverse Universe

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



65.0263, 55.2191, 55.3787



61.9183, 49.8254, 48.2566



68.8336, 65.1502, 49.5065



18.1425, 18.0403, 19.3675



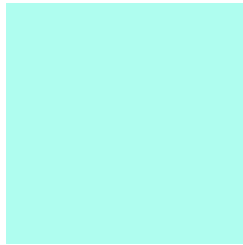
21.8424, 11.2262, 2.5544



2.1611, 1.1068, 0.4300

Previews

White Background



This preview shows how the XYZ color 68.3845, 85.5965, 94.5789 looks on a white background.

Color Contrast Check

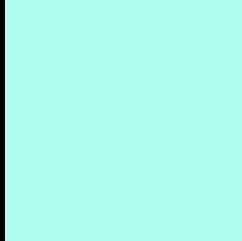
Large Text (above 18pt) WCAG AA × Fail

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 68.3845, 85.5965, 94.5789 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 68.3845, 85.5965, 94.5789

Background



This preview shows how black text looks on a background with the XYZ color 68.3845, 85.5965, 94.5789.

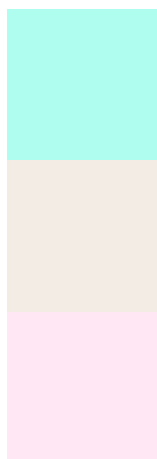


This preview shows how white text looks on a background with the XYZ color 68.3845, 85.5965,

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

68.3845, 85.5965, 94.5789

Protanopia

81.1005, 84.7027, 86.2036

Deuteranopia

85.9936, 84.8829, 96.6457



Tritanopia

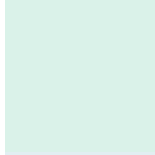
76.6952, 85.4767, 107.0641

Trichromacy



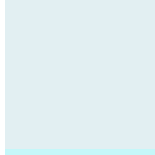
Original Color

68.3845, 85.5965, 94.5789



Protanomaly

75.3736, 84.2929, 89.3883



Deuteranomaly

78.2575, 84.3126, 96.1537



Tritanomaly

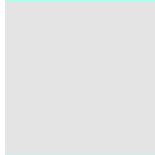
73.3856, 85.2314, 102.2060

Monochromacy



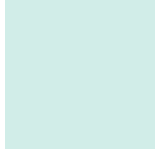
Original Color

68.3845, 85.5965, 94.5789



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.1442, 79.9499, 88.0261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3845, 85.5965, 94.5789 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(175, 253, 239)` looks like.

```
.text, #text, p{  
    color:rgb(175, 253, 239)  
}
```

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(175, 253, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 253, 239) }
```

Border

The CSS property to change the border of an element to XYZ 68.3845, 85.5965, 94.5789 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(175, 253, 239) }
```


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

```
.border{ border-color:rgb(175, 253, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(175, 253, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 253, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 253, 239);  
box-shadow:4px 4px 4px 4px rgb(175, 253,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3845, 85.5965, 94.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 253, 239) }
```

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

```
.background{ background-color: rgb(175,  
253, 239) }
```

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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