

Converting Colors

XYZ(85.6532, 88.5994,
218.9354)

Have a look what the booklet for
XYZ(85.6532, 88.5994, 218.9354)
contains.

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Color

**XYZ(64.3322, 80.0016,
106.6589)**

Conversions

Conversions Part 1

Format	Color
Hex	9AF6FF
RGB	154, 246, 255
RGB Percent	60%, 96%, 100%
CMY	0.3961, 0.0353, 0.0000
CMYK	0.40, 0.04, 0.00, 0.00
HSL	185°, 100%, 80%
HSV	185°, 40%, 100%
XYZ	64.3322, 80.0016, 106.6589
YIQ	219.5180, -57.7210, -16.7050

Conversions

Conversions Part 2

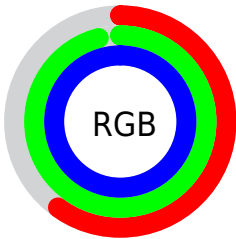
Format	Color
RYB	154, 202, 255
Decimal	10155775
CIELab	91.69, -25.16, -12.96
CIELCh	92, 28.303, 207.261
Yxy	80.0016, 0.2563, 0.3187
Android (android.graphics.Color)	4288345855 (0xFF9AF6FF)
YUV	219.5180, 17.4926, -57.4593
Hunter-Lab	89.4436, -28.1404, -8.0911

Details

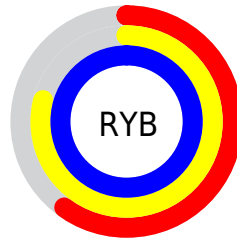
The XYZ color **64.3322, 80.0016, 106.6589** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.1703, 49.7876, 37.0124**, and the grayscale version is **67.6046, 71.1253, 77.4554**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **33.2145, 42.9592, 59.9674** is the 20% darker color. If you saturate the color by 10%, you get **59.2986, 76.3892, 106.2270**, and if you desaturate by 10%, it is **70.4094, 84.1683, 107.1429**.

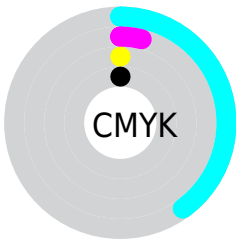
Distribution



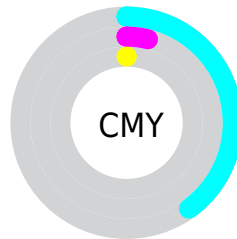
- Red (60%)
- Green (96%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- Blue (100%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3322, 80.0016, 106.6589 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 64.3322, 80.0016, 106.6589 by changing the saturation by 10% instead.

64.3322, 80.0016,
106.6589

64.3322, 80.0016,
106.6589

429.9715,
494.9382, 602.7653

47.1825, 59.7197,
81.2254

110.1603,
133.3680, 172.4097

33.3885, 43.1927,
60.1952

139.5694,
167.2212, 213.5642

22.5849, 30.0364,
43.1497

173.7956,
206.3670, 260.7961

14.4063, 19.8662,
29.6703

213.2043,
251.1898, 314.5239

8.4874, 12.2978,
19.3385

258.1609,
302.0739, 375.1661

4.4628, 6.9468,
11.7359

309.0308,

1.9671, 3.4289,

359.4037, 443.1414

6.4437

366.1792,
423.5637, 518.8683

■ 0.6154, 1.3595,
3.0436

■ 0.0000, 0.1866,
1.1169

■ 64.3322, 80.0016,
106.6589

■ 64.3322, 80.0016,
106.6589

■ 59.2986, 76.3892,
106.2270

■ 70.4094, 84.1683,
107.1429

■ 55.2362, 73.2882,
105.8425

■ 77.5838, 88.9114,
107.6802

■ 52.0737, 70.6635,
105.5026

■ 85.9131, 94.2624,
108.2741

■ 49.7272, 68.4718,
105.2032

95.0500, 100.0000,
108.9000

■ 48.0966, 66.6616,
104.9398

■ 47.0253, 65.1520,
104.7048

■ 46.9875, 65.0951,
104.6958

Harmonies

Analogous

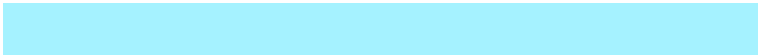
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.9741, 80.0016, 85.2181



64.3322, 80.0016, 106.6589



68.7617, 80.0016, 125.0972

Triad

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



64.3322, 80.0016, 106.6589



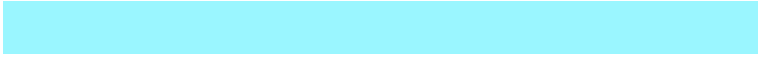
88.3498, 80.0016, 110.4779



76.7059, 80.0016, 53.0680

Complementary

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



64.3322, 80.0016, 106.6589



60.1703, 49.7876, 37.0124

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.



83.8127, 80.0016, 57.7125



64.3322, 80.0016, 106.6589



90.7967, 80.0016, 89.0260

Square

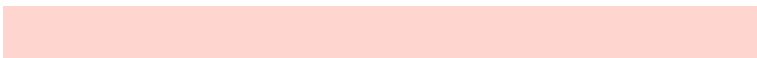
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.3322, 80.0016, 106.6589



82.5901, 80.0016, 127.5363



89.0865, 80.0016, 70.1056



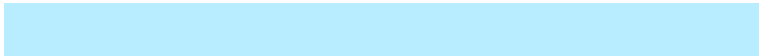
69.8441, 80.0016, 56.2776

Rectangle

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



64.3322, 80.0016, 106.6589



73.0128, 80.0016, 132.0287



89.0865, 80.0016, 70.1056



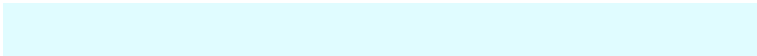
79.1479, 80.0016, 53.7428

Sweetspot

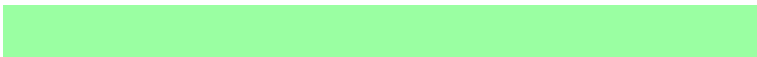
The Sweet Spot groups the original color and five complimentary colors.



64.3343, 80.0046, 106.6594



83.8113, 92.9246, 108.1267



55.6463, 81.0141, 47.0832



17.6997, 19.7367, 23.1266



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.



64.3343, 80.0046, 106.6594



60.0400, 76.9343, 106.2931



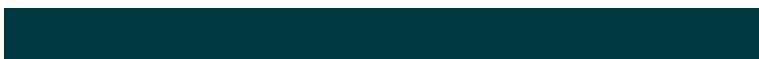
51.1366, 53.6091, 102.2601



18.4084, 20.1884, 23.1765



24.6092, 34.1280, 54.7249



2.4350, 3.4007, 5.3413

Inverse Universe

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



69.4315, 51.0267, 93.3820



65.9169, 44.4633, 90.7740



70.8469, 71.1407, 40.5713



18.7188, 18.2708, 22.4022



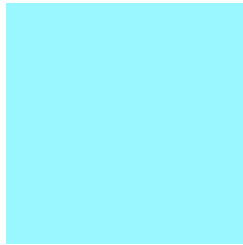
29.2098, 14.1732, 41.3508



2.8637, 1.3878, 4.1295

Previews

White Background



This preview shows how the XYZ color 64.3322, 80.0016, 106.6589 looks on a white background.

Color Contrast Check

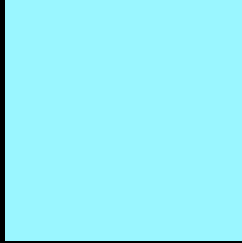
Large Text (above 18pt) WCAG AA × Fail

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 64.3322, 80.0016, 106.6589 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 64.3322, 80.0016, 106.6589

Background



This preview shows how black text looks on a background with the XYZ color 64.3322, 80.0016, 106.6589.

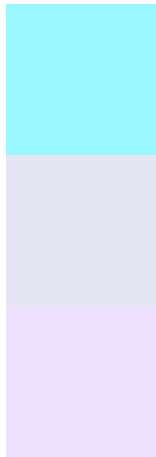


This preview shows how white text looks on a background with the XYZ color 64.3322, 80.0016,

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

64.3322, 80.0016, 106.6589

Protanopia

76.9816, 79.3933, 96.8550

Deuteranopia

79.9003, 79.0750, 105.6595



Tritanopia

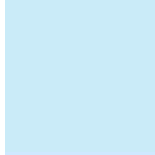
68.5614, 79.9544, 106.4269

Trichromacy



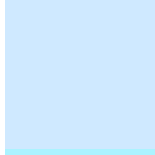
Original Color

64.3322, 80.0016, 106.6589



Protanomaly

71.0087, 78.7505, 100.2647



Deuteranomaly

72.9210, 78.7632, 105.9672



Tritanomaly

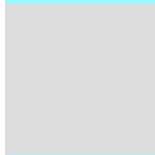
66.8952, 79.9791, 106.5195

Monochromacy



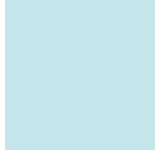
Original Color

64.3322, 80.0016, 106.6589



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.4922, 73.6576, 87.8563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3322, 80.0016, 106.6589 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(154, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 246, 255)  
}
```

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(154, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.3322, 80.0016, 106.6589 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(154, 246, 255) }
```


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

```
.border{ border-color:rgb(154, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3322, 80.0016, 106.6589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 246, 255) }
```

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

```
.background{ background-color: rgb(154,  
246, 255) }
```

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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