

Converting Colors

XYZ(74.0826, 100.0000,
102.5758)

Have a look what the booklet for
XYZ(74.0826, 100.0000, 102.5758)
contains.

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Color

**XYZ(66.8918, 85.6474,
100.1948)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A0FFF6 |
| RGB | 160, 255, 246 |
| RGB Percent | 63%, 100%, 96% |
| CMY | 0.3725, 0.0000, 0.0353 |
| CMYK | 0.37, 0.00, 0.04, 0.00 |
| HSL | 174°, 100%, 81% |
| HSV | 174°, 37%, 100% |
| XYZ | 66.8918, 85.6474, 100.1948 |
| YIQ | 225.5690, -53.7310, -22.9390 |

Conversions

Conversions Part 2

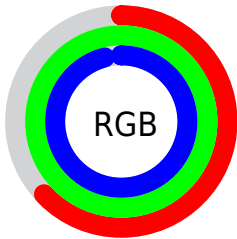
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 160, 210, 255 |
| Decimal | 10551286 |
| CIELab | 94.16, -30.08, -4.60 |
| CIElCh | 94, 30.434, 188.691 |
| Yxy | 85.6474, 0.2647, 0.3389 |
| Android (android.graphics.Color) | 4288741366 (0xFFA0FFF6) |
| YUV | 225.5690, 10.0725, -57.5040 |
| Hunter-Lab | 92.5459, -32.9362, 0.5918 |

Details

The XYZ color **66.8918, 85.6474, 100.1948** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.9732, 49.2677, 43.8332**, and the grayscale version is **71.9352, 75.6815, 82.4171**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **35.0819, 46.9894, 55.9361** is the 20% darker color. If you saturate the color by 10%, you get **61.9384, 83.1364, 98.0415**, and if you desaturate by 10%, it is **72.8975, 88.7003, 102.4254**.

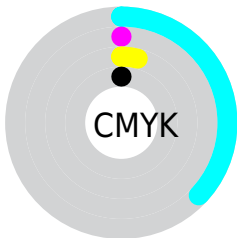
Distribution



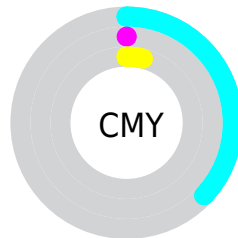
- Red (63%)
- Green (100%)
- Blue (96%)



- Red (63%)
- Yellow (82%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (37%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8918, 85.6474, 100.1948 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 66.8918, 85.6474, 100.1948 by changing the saturation by 10% instead.

66.8918, 85.6474,
100.1948

66.8918, 85.6474,
100.1948

438.9981,
513.7678, 582.0691

49.2671, 64.3764,
75.8454

113.8160,
141.2773, 163.4791

35.0468, 46.9556,
55.7999

143.8462,
176.4051, 203.2511

23.8656, 33.0006,
39.6396

178.7423,
216.9206, 249.0010

15.3582, 22.1269,
26.9460

218.8696,
263.2082, 301.1475

9.1591, 13.9502,
17.3006

264.5934,
315.6524, 360.1089

4.9030, 8.0860,
10.2848

316.2792,

2.2246, 4.1500,

374.6374, 426.3040

5.4801

374.2923,
440.5478, 500.1512

■ 0.7557, 1.7578,
2.4680

■ 0.0000, 0.4607,
0.8231

■ 66.8918, 85.6474,
100.1948

■ 66.8918, 85.6474,
100.1948

■ 61.9384, 83.1364,
98.0415

■ 72.8975, 88.7003,
102.4254

■ 57.9699, 81.1326,
95.9579

■ 80.0114, 92.3240,
104.7318

■ 54.9158, 79.5996,
93.9420

■ 88.2889, 96.5470,
107.1179

■ 52.6950, 78.4956,
91.9901

95.0500, 100.0000,
108.9000

■ 51.2119, 77.7714,
90.0974

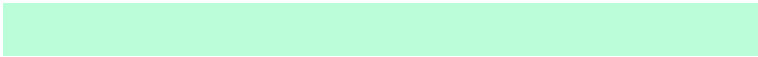
■ 50.3435, 77.3635,
88.2583

■ 50.1620, 77.2808,
87.7601

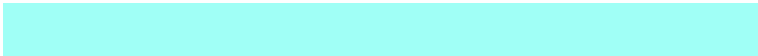
Harmonies

Analogous

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



67.6760, 85.6474, 77.8951



66.8918, 85.6474, 100.1948



69.7888, 85.6474, 124.1796

Triad

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



66.8918, 85.6474, 100.1948



91.5875, 85.6474, 132.8040



87.2270, 85.6474, 57.4159

Complementary

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



66.8918, 85.6474, 100.1948



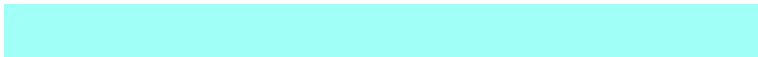
60.9732, 49.2677, 43.8332

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.



94.2442, 85.6474, 67.9454



66.8918, 85.6474, 100.1948



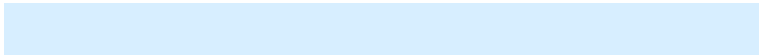
96.8762, 85.6474, 110.5129

Square

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



66.8918, 85.6474, 100.1948



83.7936, 85.6474, 144.9591



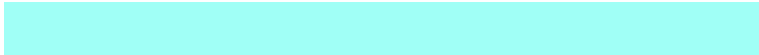
97.8795, 85.6474, 86.6442



79.0628, 85.6474, 55.5901

Rectangle

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



66.8918, 85.6474, 100.1948



73.5392, 85.6474, 137.0388



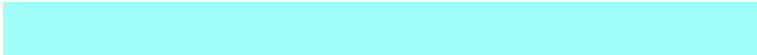
97.8795, 85.6474, 86.6442



89.8132, 85.6474, 59.9590

Sweetspot

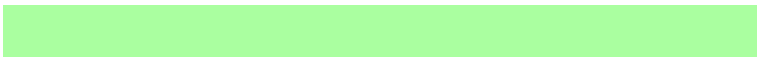
The Sweet Spot groups the original color and five complimentary colors.



66.8929, 85.6479, 100.1963



85.0479, 94.8928, 106.2144



58.5760, 82.5490, 46.1059



17.9616, 20.1874, 22.6649



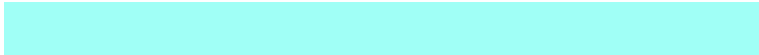
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

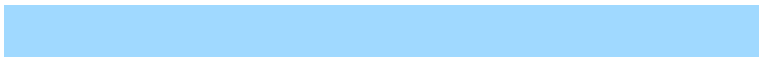
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8929, 85.6479, 100.1963



62.9664, 83.6568, 98.5207



57.3613, 64.3206, 103.9996



18.4763, 20.4500, 22.8111



26.2412, 40.3931, 46.0170



2.5757, 3.9412, 4.5896

Inverse Universe

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



60.9732, 49.2677, 43.8332



56.2503, 42.3276, 34.5343



67.7802, 64.1875, 42.0766



18.0792, 18.0150, 19.0345



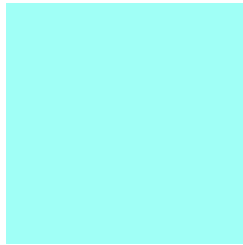
21.6589, 11.1529, 1.5884



2.1312, 1.0949, 0.2724

Previews

White Background



This preview shows how the XYZ color 66.8918, 85.6474, 100.1948 looks on a white background.

Color Contrast Check

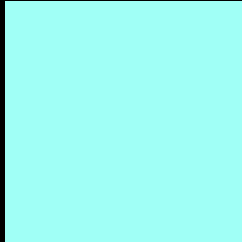
Large Text (above 18pt) WCAG AA × Fail

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 66.8918, 85.6474, 100.1948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

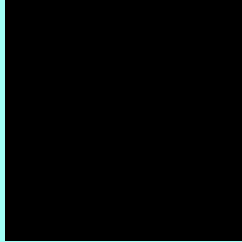
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.8918, 85.6474, 100.1948

Background



This preview shows how black text looks on a background with the XYZ color 66.8918, 85.6474, 100.1948.

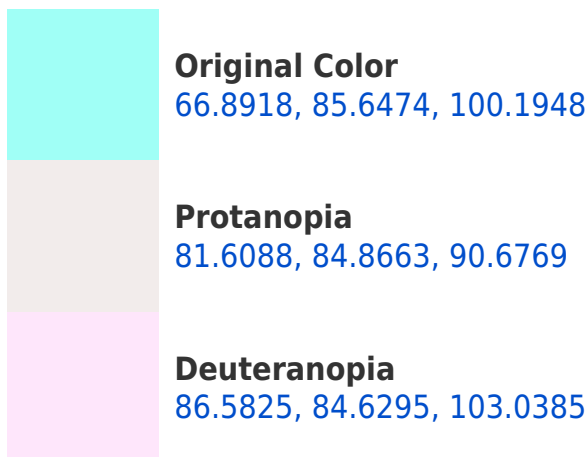


This preview shows how white text looks on a background with the XYZ color 66.8918, 85.6474,

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

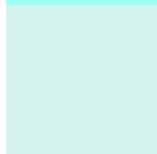
75.5775, 84.9005, 107.0118

Trichromacy



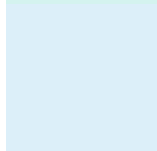
Original Color

66.8918, 85.6474, 100.1948



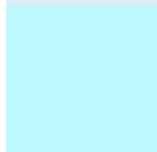
Protanomaly

74.7820, 84.3302, 93.9973



Deuteranomaly

77.4806, 83.7882, 101.7116



Tritanomaly

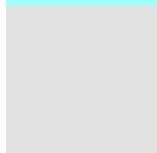
72.1244, 84.9819, 104.6972

Monochromacy



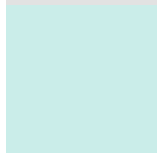
Original Color

66.8918, 85.6474, 100.1948



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.3493, 79.0081, 88.6858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8918, 85.6474, 100.1948 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(160, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 246)  
}
```

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(160, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 66.8918, 85.6474, 100.1948 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(160, 255, 246) }
```


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

```
.border{ border-color:rgb(160, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8918, 85.6474, 100.1948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 246) }
```

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

```
.background{ background-color: rgb(160,  
255, 246) }
```

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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