

Converting Colors

XYZ(66.9699, 80.8783,
106.6891)

Have a look what the booklet for
XYZ(66.9699, 80.8783, 106.6891)
contains.

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Color

**XYZ(67.0646, 80.9598,
106.6999)**

Conversions

Conversions Part 1

Format	Color
Hex	A9F5FF
RGB	169, 245, 255
RGB Percent	66%, 96%, 100%
CMY	0.3372, 0.0392, 0.0000
CMYK	0.34, 0.04, 0.00, 0.00
HSL	187°, 100%, 83%
HSV	187°, 34%, 100%
XYZ	67.0646, 80.9598, 106.6999
YIQ	223.4160, -48.5060, -13.0020

Conversions

Conversions Part 2

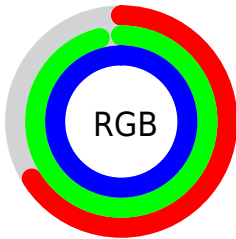
Format	Color
RYB	169, 209, 255
Decimal	11138559
CIELab	92.11, -20.88, -12.25
CIELCh	92, 24.206, 210.406
Yxy	80.9598, 0.2633, 0.3178
Android (android.graphics.Color)	4289328639 (0xFFA9F5FF)
YUV	223.4160, 15.5709, -47.7228
Hunter-Lab	89.9777, -24.4164, -7.3246

Details

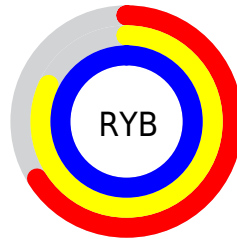
The XYZ color **67.0646, 80.9598, 106.6999** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.5218, 56.3648, 45.0169**, and the grayscale version is **70.3543, 74.0182, 80.6058**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **35.2007, 43.9831, 60.0604** is the 20% darker color. If you saturate the color by 10%, you get **61.2293, 76.6330, 106.1723**, and if you desaturate by 10%, it is **73.9854, 85.8714, 107.2831**.

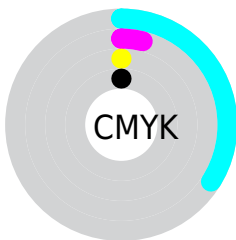
Distribution



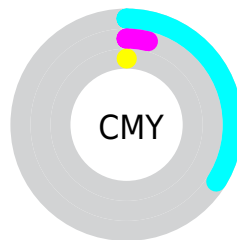
- Red (66%)
- Green (96%)
- Blue (100%)



- Red (66%)
- Yellow (82%)
- Blue (100%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0646, 80.9598, 106.6999 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 67.0646, 80.9598, 106.6999 by changing the saturation by 10% instead.

67.0646, 80.9598,
106.6999

67.0646, 80.9598,
106.6999

439.6035,
498.1616, 602.8954

49.4080, 60.5085,
81.2596

114.0623,
134.7143, 172.4662

35.1591, 43.8286,
60.2232

144.1340,
168.7863, 213.6293

23.9526, 30.5358,
43.1721

179.0749,
208.1673, 260.8705

15.4230, 20.2456,
29.6878

219.2503,
253.2418, 314.6082

9.2050, 12.5737,
19.3517

265.0255,
304.3940, 375.2610

4.9333, 7.1357,
11.7453

316.7659,

2.2426, 3.5471,

362.0085, 443.2474

6.4501

374.8368,
426.4695, 518.9860

0.7650, 1.4236,
3.0474

0.0000, 0.2340,
1.1189

67.0646, 80.9598,
106.6999

67.0646, 80.9598,
106.6999

61.2293, 76.6330,
106.1723

73.9854, 85.8714,
107.2831

56.4106, 72.8496,
105.6960

82.0424, 91.3883,
107.9234

52.5420, 69.5770,
105.2682

91.2911, 97.5410,
108.6235

49.5460, 66.7754,
104.8853

95.0500, 100.0000,
108.9000

■ 47.3329, 64.3982,
104.5431

■ 45.7932, 62.3891,
104.2365

■ 45.0727, 61.2655,
104.0576

Harmonies

Analogous

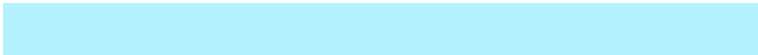
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.5713, 80.9598, 88.3953



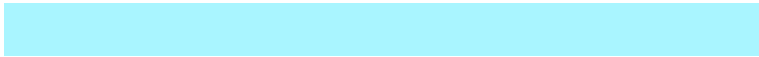
67.0646, 80.9598, 106.6999



71.1788, 80.9598, 121.5115

Triad

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



67.0646, 80.9598, 106.6999



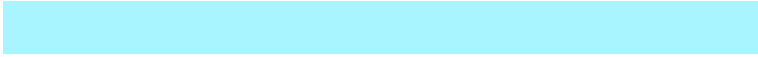
87.8546, 80.9598, 106.2214



76.8648, 80.9598, 58.0775

Complementary

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



67.0646, 80.9598, 106.6999



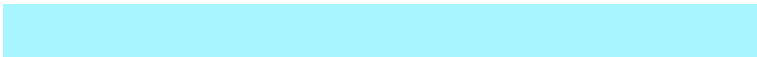
64.5218, 56.3648, 45.0169

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.



83.0247, 80.9598, 61.5351



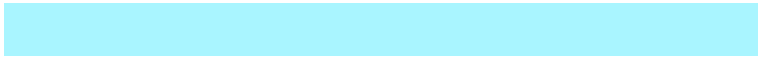
67.0646, 80.9598, 106.6999



89.5740, 80.9598, 87.9081

Square

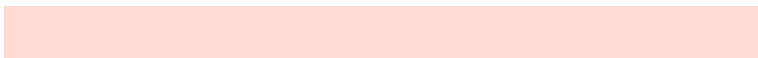
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.0646, 80.9598, 106.6999



83.1798, 80.9598, 121.2100



87.7617, 80.9598, 71.8877



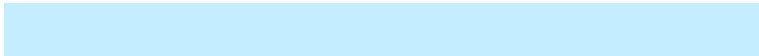
71.0391, 80.9598, 61.7270

Rectangle

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



67.0646, 80.9598, 106.6999



74.9687, 80.9598, 126.5328



87.7617, 80.9598, 71.8877



78.9656, 80.9598, 58.4412

Sweetspot

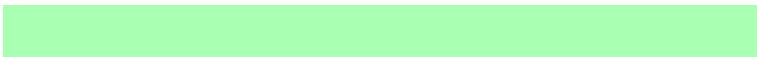
The Sweet Spot groups the original color and five complimentary colors.



67.0668, 80.9629, 106.7004



85.3446, 93.6038, 108.1769



60.1191, 83.1539, 54.7928



17.9963, 19.8539, 23.1336



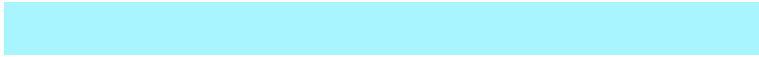
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



67.0668, 80.9629, 106.7004



63.2806, 78.1798, 106.3627



55.8641, 58.5576, 102.9661



18.3640, 20.0996, 23.1617



23.6233, 32.1561, 54.3963



2.3490, 3.2288, 5.3127

Inverse Universe

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



71.9108, 56.2302, 93.4531



68.8307, 50.5222, 91.0322



74.1532, 75.6275, 48.2273



18.6964, 18.2619, 22.2842



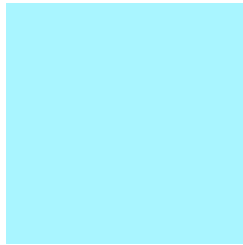
28.7121, 13.9741, 38.7301



2.8203, 1.3705, 3.9010

Previews

White Background



This preview shows how the XYZ color 67.0646, 80.9598, 106.6999 looks on a white background.

Color Contrast Check

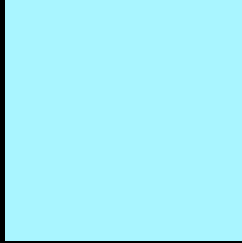
Large Text (above 18pt) WCAG AA × Fail

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 67.0646, 80.9598, 106.6999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

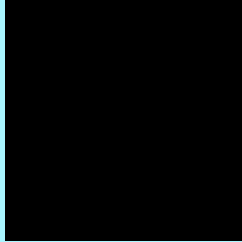
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.0646, 80.9598, 106.6999

Background



This preview shows how black text looks on a background with the XYZ color 67.0646, 80.9598, 106.6999.

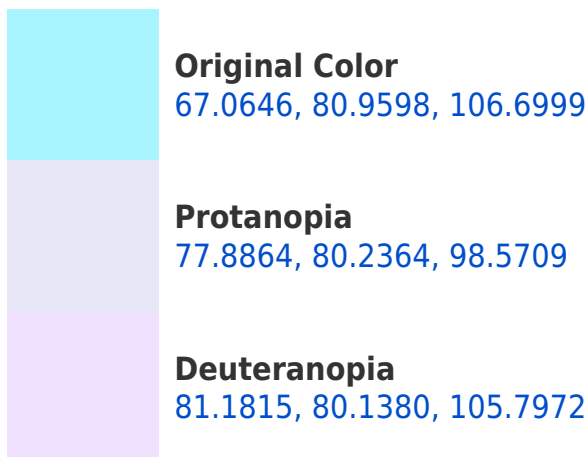


This preview shows how white text looks on a background with the XYZ color 67.0646, 80.9598,

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

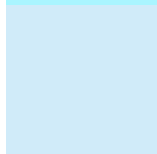
70.4453, 80.4873, 106.4305

Trichromacy



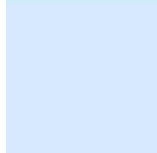
Original Color

67.0646, 80.9598, 106.6999



Protanomaly

72.8196, 79.6661, 101.1616



Deuteranomaly

74.9205, 79.7940, 106.0608



Tritanomaly

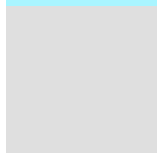
69.0935, 80.6693, 106.5369

Monochromacy



Original Color

67.0646, 80.9598, 106.6999



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

68.1999, 75.8465, 89.6426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0646, 80.9598, 106.6999 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(169, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 245, 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(169, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.0646, 80.9598, 106.6999 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(169, 245, 255) }
```


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

```
.border{ border-color:rgb(169, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0646, 80.9598, 106.6999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 245, 255) }
```

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

```
.background{ background-color: rgb(169,  
245, 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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