

Converting Colors

XYZ(63.5350, 80.7640,
106.8481)

Have a look what the booklet for
XYZ(63.5350, 80.7640, 106.8481)
contains.

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Color

**XYZ(63.6027, 80.9911,
106.8884)**

Conversions

Conversions Part 1

Format	Color
Hex	91F9FF
RGB	145, 249, 255
RGB Percent	57%, 98%, 100%
CMY	0.4314, 0.0235, 0.0000
CMYK	0.43, 0.02, 0.00, 0.00
HSL	183°, 100%, 78%
HSV	183°, 43%, 100%
XYZ	63.6027, 80.9911, 106.8884
YIQ	218.5880, -63.9100, -20.1820

Conversions

Conversions Part 2

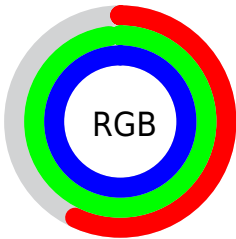
Format	Color
RYB	145, 198, 255
Decimal	9566719
CIELab	92.13, -28.73, -12.34
CIELCh	92, 31.271, 203.250
Yxy	80.9911, 0.2529, 0.3221
Android (android.graphics.Color)	4287756799 (0xFF91F9FF)
YUV	218.5880, 17.9511, -64.5367
Hunter-Lab	89.9951, -31.3391, -7.4230

Details

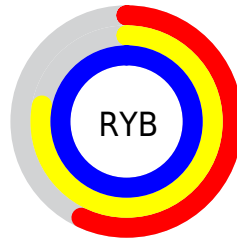
The XYZ color **63.6027, 80.9911, 106.8884** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.4179, 45.4378, 32.5340**, and the grayscale version is **66.9599, 70.4471, 76.7169**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **32.7890, 43.7078, 60.1344** is the 20% darker color. If you saturate the color by 10%, you get **59.1761, 78.0756, 106.5589**, and if you desaturate by 10%, it is **69.0451, 84.4389, 107.2670**.

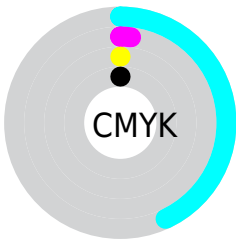
Distribution



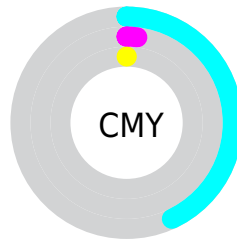
- Red (57%)
- Green (98%)
- Blue (100%)



- Red (57%)
- Yellow (78%)
- Blue (100%)



- Cyan (43%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6027, 80.9911, 106.8884 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 63.6027, 80.9911, 106.8884 by changing the saturation by 10% instead.

 63.6027, 80.9911,
106.8884


 63.6027, 80.9911,
106.8884


427.3785,
498.2667, 603.4932

 46.5894, 60.5343,
81.4168


 109.1155,
134.7583, 172.7258

 32.9178, 43.8494,
60.3519


 138.3457,
168.8374, 213.9287

 22.2224, 30.5521,
43.2752

172.3790,
208.2261, 261.2125

 14.1379, 20.2581,
29.7681

211.5807,
253.3087, 314.9957

 8.2990, 12.5828,
19.4121

256.3161,
304.4697, 375.6968

 4.3403, 7.1419,
11.7886

306.9507,

 1.8964, 3.5510,

362.0934, 443.7344

6.4791

363.8497,
426.5643, 519.5270

■ 0.5747, 1.4257,
3.0651

■ 0.0000, 0.2356,
1.1280

■ 63.6027, 80.9911,
106.8884

■ 63.6027, 80.9911,
106.8884

■ 59.1761, 78.0756,
106.5589

■ 69.0451, 84.4389,
107.2670

■ 55.6906, 75.6480,
106.2741

■ 75.5588, 88.4417,
107.6963

■ 53.0715, 73.6718,
106.0307

■ 83.2030, 93.0321,
108.1795

■ 51.2302, 72.1011,
105.8245

■ 92.0305, 98.2372,
108.7189

■ 50.0586, 70.8805, 95.0500, 100.0000,
105.6507 108.9000

■ 49.5350, 70.1899,
105.5450

Harmonies

Analogous

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



62.5947, 80.9911, 83.0720



63.6027, 80.9911, 106.8884



68.0759, 80.9911, 128.7351

Triad

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



63.6027, 80.9911, 106.8884



90.0744, 80.9911, 117.4905



78.8152, 80.9911, 51.0501

Complementary

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



63.6027, 80.9911, 106.8884



57.4179, 45.4378, 32.5340

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.



86.6277, 80.9911, 57.1937



63.6027, 80.9911, 106.8884



93.4151, 80.9911, 93.5047

Square

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



63.6027, 80.9911, 106.8884



83.2596, 80.9911, 135.5643



92.1118, 80.9911, 71.8025



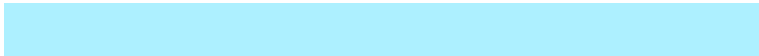
71.0236, 80.9911, 53.3741

Rectangle

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



63.6027, 80.9911, 106.8884



72.5999, 80.9911, 137.8696



92.1118, 80.9911, 71.8025



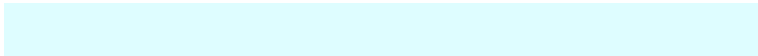
81.5320, 80.9911, 52.1521

Sweetspot

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



63.6049, 80.9941, 106.8888



83.3145, 93.0984, 108.1864



52.9836, 79.7585, 41.6700



17.4494, 19.6985, 23.1325



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

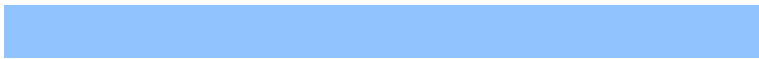
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.6049, 80.9941, 106.8888



59.6302, 78.3816, 106.5941



49.1317, 52.0478, 102.0645



18.4651, 20.3017, 23.1954



25.9198, 36.7493, 55.1618



2.5486, 3.6279, 5.3792

Inverse Universe

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



68.4656, 48.3520, 95.3503



65.1567, 42.0407, 93.3022



68.3028, 67.2077, 36.1624



18.7474, 18.2823, 22.5528



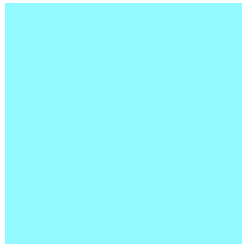
29.8713, 14.4378, 44.8344



2.9210, 1.4108, 4.4315

Previews

White Background



This preview shows how the XYZ color 63.6027, 80.9911, 106.8884 looks on a white background.

Color Contrast Check

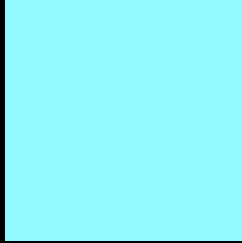
Large Text (above 18pt) WCAG AA × Fail

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 63.6027, 80.9911, 106.8884 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 63.6027, 80.9911, 106.8884

Background



This preview shows how black text looks on a background with the XYZ color 63.6027, 80.9911, 106.8884.

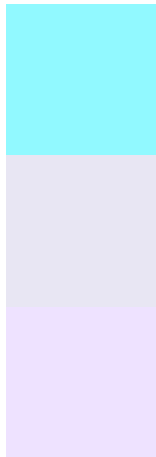


This preview shows how white text looks on a background with the XYZ color 63.6027, 80.9911,

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

63.6027, 80.9911, 106.8884

Protanopia

77.7532, 80.2205, 96.1801

Deuteranopia

80.5063, 79.7899, 105.7656



Tritanopia

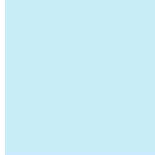
69.3306, 80.7915, 106.5480

Trichromacy



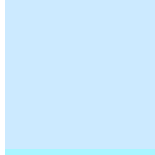
Original Color

63.6027, 80.9911, 106.8884



Protanomaly

70.8921, 79.5631, 99.6165



Deuteranomaly

72.3747, 78.9030, 106.0230



Tritanomaly

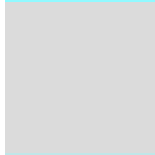
67.0646, 80.9598, 106.6999

Monochromacy



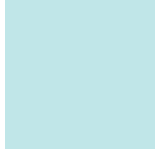
Original Color

63.6027, 80.9911, 106.8884



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.6005, 73.6263, 87.1504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6027, 80.9911, 106.8884 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(145, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 249, 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(145, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.6027, 80.9911, 106.8884 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(145, 249, 255) }
```


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

```
.border{ border-color:rgb(145, 249, 255) }
```

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

Here you see how a box with a 4 pixel rgb(145, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6027, 80.9911, 106.8884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 249, 255) }
```

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

```
.background{ background-color: rgb(145,  
249, 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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