

Converting Colors

XYZ(64.9557, 80.0701,
106.6393)

Have a look what the booklet for
XYZ(64.9557, 80.0701, 106.6393)
contains.

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Color

**XYZ(64.8030, 79.7939,
106.5940)**

Conversions

Conversions Part 1

Format	Color
Hex	9EF5FF
RGB	158, 245, 255
RGB Percent	62%, 96%, 100%
CMY	0.3804, 0.0392, 0.0000
CMYK	0.38, 0.04, 0.00, 0.00
HSL	186°, 100%, 81%
HSV	186°, 38%, 100%
XYZ	64.8030, 79.7939, 106.5940
YIQ	220.1270, -55.0620, -15.3340

Conversions

Conversions Part 2

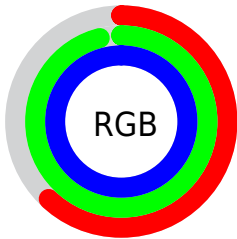
Format	Color
R_{YB}	158, 204, 255
Decimal	10417663
CIE _{Lab}	91.59, -23.69, -13.08
CIE _{LCh}	92, 27.063, 208.914
Yxy	79.7939, 0.2580, 0.3177
Android (android.graphics.Color)	4288607743 (0xFF9EF5FF)
YUV	220.1270, 17.1924, -54.4854
Hunter-Lab	89.3274, -26.8294, -8.2213

Details

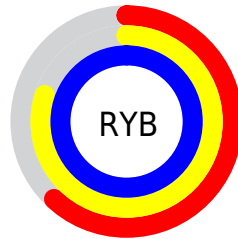
The XYZ color **64.8030, 79.7939, 106.5940** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.4147, 51.7342, 39.0986**, and the grayscale version is **68.0294, 71.5722, 77.9421**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **33.7575, 43.2391, 59.9929** is the 20% darker color. If you saturate the color by 10%, you get **59.5091, 75.8948, 106.1204**, and if you desaturate by 10%, it is **71.1531, 84.2581, 107.1210**.

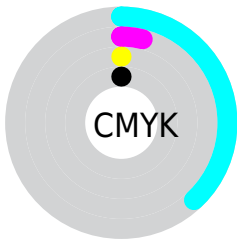
Distribution



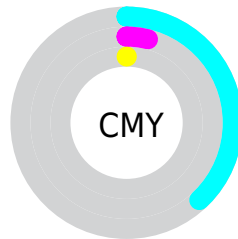
- Red (62%)
- Green (96%)
- Blue (100%)



- Red (62%)
- Yellow (80%)
- Blue (100%)



- Cyan (38%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8030, 79.7939, 106.5940 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 64.8030, 79.7939, 106.5940 by changing the saturation by 10% instead.


 64.8030, 79.7939,
106.5940


 64.8030, 79.7939,
106.5940


431.6401,
494.2380, 602.5594

 47.5655, 59.5488,
81.1713


 110.8339,
133.0759, 172.3204

 33.6927, 43.0550,
60.1509


 140.3579,
166.8816, 213.4611

 22.8194, 29.9283,
43.1142

174.7082,
205.9763, 260.6783

 14.5802, 19.7842,
29.6426

214.2500,
250.7443, 314.3904

 8.6097, 12.2383,
19.3177

259.3488,
301.5701, 375.0160

 4.5425, 6.9062,
11.7210

310.3698,

 2.0134, 3.4035,

358.8380, 442.9737

6.4337

367.6785,
422.9325, 518.6820

0.6415, 1.3458,
3.0376

0.0000, 0.1763,
1.1138

64.8030, 79.7939,
106.5940

64.8030, 79.7939,
106.5940

59.5091, 75.8948,
106.1204

71.1531, 84.2581,
107.1210

55.2000, 72.5182,
105.6958

78.6123, 89.3089,
107.7028

51.8058, 69.6299,
105.3172

87.2375, 94.9777,
108.3424

49.2444, 67.1874,
104.9808

95.0500, 100.0000,
108.9000

■ 47.4188, 65.1408,
104.6819

■ 46.1975, 63.4221,
104.4146

■ 45.9922, 63.1044,
104.3641

Harmonies

Analogous

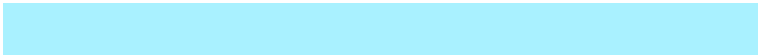
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.3263, 79.7939, 86.1630



64.8030, 79.7939, 106.5940



69.1907, 79.7939, 123.6842

Triad

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



64.8030, 79.7939, 106.5940



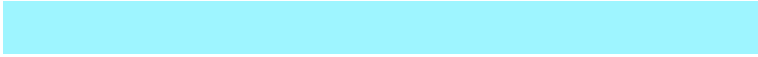
87.7899, 79.7939, 108.0316



76.0937, 79.7939, 54.1395

Complementary

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



64.8030, 79.7939, 106.5940



61.4147, 51.7342, 39.0986

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.



82.9058, 79.7939, 58.2167



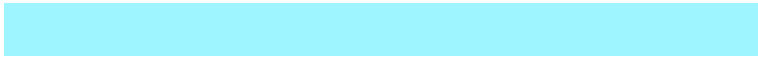
64.8030, 79.7939, 106.5940



89.9062, 79.7939, 87.6050

Square

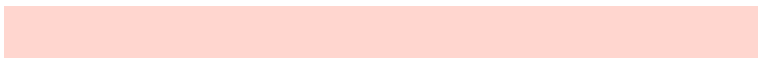
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.8030, 79.7939, 106.5940



82.4440, 79.7939, 124.5989



88.0678, 79.7939, 69.7635



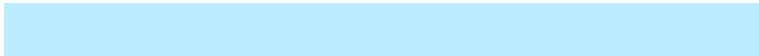
69.6017, 79.7939, 57.6664

Rectangle

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



64.8030, 79.7939, 106.5940



73.3172, 79.7939, 129.7948



88.0678, 79.7939, 69.7635



78.4236, 79.7939, 54.6538

Sweetspot

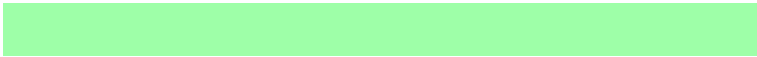
The Sweet Spot groups the original color and five complimentary colors.



64.8051, 79.7969, 106.5945



84.5575, 93.2323, 108.1467



56.9018, 81.6057, 49.6539



17.8438, 19.7886, 23.1291



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.



64.8051, 79.7969, 106.5945



60.5058, 76.6461, 106.2129



52.0730, 54.3326, 102.3504



18.3855, 20.1426, 23.1688



24.0968, 33.1032, 54.5541



2.3904, 3.3114, 5.3265

Inverse Universe

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



69.9497, 52.3081, 92.7993



66.4498, 45.8167, 90.0654



72.0196, 72.9440, 42.6336



18.7072, 18.2662, 22.3414



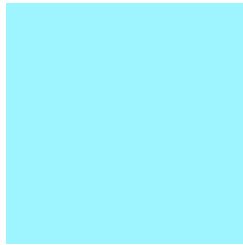
28.9511, 14.0698, 39.9888



2.8412, 1.3788, 4.0109

Previews

White Background



This preview shows how the XYZ color 64.8030, 79.7939, 106.5940 looks on a white background.

Color Contrast Check

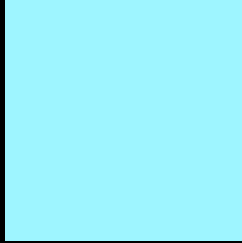
Large Text (above 18pt) WCAG AA × Fail

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 64.8030, 79.7939, 106.5940 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

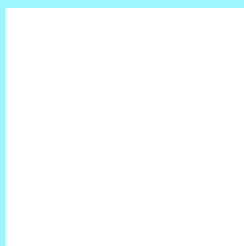
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8030, 79.7939, 106.5940

Background



This preview shows how black text looks on a background with the XYZ color 64.8030, 79.7939, 106.5940.

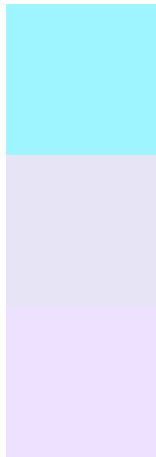


This preview shows how white text looks on a background with the XYZ color 64.8030, 79.7939,

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

64.8030, 79.7939, 106.5940

Protanopia

76.8580, 78.9024, 97.5650

Deuteranopia

79.9003, 79.0750, 105.6595



Tritanopia

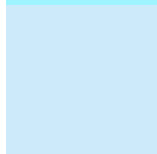
68.5015, 79.4853, 106.3395

Trichromacy



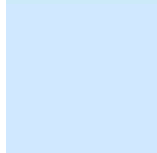
Original Color

64.8030, 79.7939, 106.5940



Protanomaly

71.4235, 78.5226, 101.0145



Deuteranomaly

72.9190, 78.3431, 105.8862



Tritanomaly

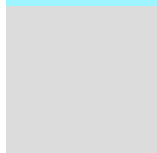
67.0357, 79.6085, 106.4406

Monochromacy



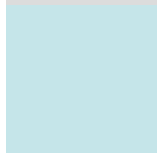
Original Color

64.8030, 79.7939, 106.5940



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.7532, 73.7921, 87.8685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8030, 79.7939, 106.5940 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(158, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.8030, 79.7939, 106.5940 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(158, 245, 255) }
```


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

```
.border{ border-color:rgb(158, 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(158, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8030, 79.7939, 106.5940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 245, 255) }
```

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

```
.background{ background-color: rgb(158,  
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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