

Converting Colors

XYZ(110.6480, 100.0000,
347.5108)

Have a look what the booklet for
XYZ(110.6480, 100.0000, 347.5108)
contains.

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Color

**XYZ(64.8746, 81.6468,
106.9479)**

Conversions

Conversions Part 1

Format	Color
Hex	98F9FF
RGB	152, 249, 255
RGB Percent	60%, 98%, 100%
CMY	0.4039, 0.0235, 0.0000
CMYK	0.40, 0.02, 0.00, 0.00
HSL	183°, 100%, 80%
HSV	183°, 40%, 100%
XYZ	64.8746, 81.6468, 106.9479
YIQ	220.6810, -59.7380, -18.6980

Conversions

Conversions Part 2

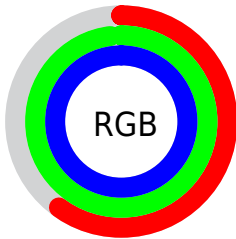
Format	Color
R _Y B	152, 202, 255
Decimal	10025471
CIE Lab	92.42, -27.09, -11.88
CIE LCh	92, 29.580, 203.678
Yxy	81.6468, 0.2559, 0.3221
Android (android.graphics.Color)	4288215551 (0xFF98F9FF)
YUV	220.6810, 16.9193, -60.2332
Hunter-Lab	90.3586, -29.9703, -6.9242

Details

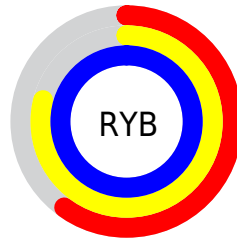
The XYZ color **64.8746, 81.6468, 106.9479** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.1348, 47.9809, 35.8522**, and the grayscale version is **68.4207, 71.9840, 78.3905**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **33.6588, 44.1562, 60.1751** is the 20% darker color. If you saturate the color by 10%, you get **60.1488, 78.5340, 106.5962**, and if you desaturate by 10%, it is **70.6343, 85.3019, 107.3498**.

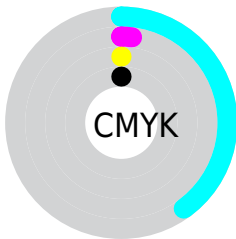
Distribution



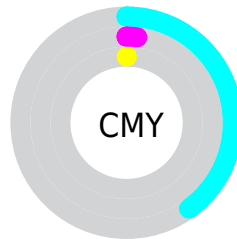
- Red (60%)
- Green (98%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8746, 81.6468, 106.9479 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 64.8746, 81.6468, 106.9479 by changing the saturation by 10% instead.

64.8746, 81.6468,
106.9479

64.8746, 81.6468,
106.9479

431.8935,
500.4655, 603.6819

47.6237, 61.0744,
81.4664

110.9363,
135.6786, 172.8077

33.7390, 44.2852,
60.3926

140.4778,
169.9068, 214.0232

22.8551, 30.8948,
43.3078

174.8469,
209.4558, 261.3205

14.6067, 20.5188,
29.7935

214.4089,
254.7099, 315.1180

8.6283, 12.7727,
19.4312

259.5292,
306.0535, 375.8343

4.5547, 7.2722,
11.8023

310.5732,

2.0205, 3.6329,

363.8710, 443.8881

6.4883

367.9062,
428.5469, 519.6977

0.6454, 1.4704,
3.0707

0.0000, 0.2678,
1.1308

64.8746, 81.6468,
106.9479

64.8746, 81.6468,
106.9479

60.1488, 78.5340,
106.5962

70.6343, 85.3019,
107.3498

56.3839, 75.9201,
106.2900

77.4818, 89.5211,
107.8033

53.5080, 73.7698,
106.0266

85.4752, 94.3365,
108.3115

51.4362, 72.0393,
105.8017

94.6662, 99.7747,
108.8767

■ 50.0667, 70.6763,
105.6108

95.0500, 100.0000,
108.9000

■ 49.2560, 69.6319,
105.4520

Harmonies

Analogous

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



63.8586, 81.6468, 84.3329



64.8746, 81.6468, 106.9479



69.1976, 81.6468, 127.4217

Triad

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



64.8746, 81.6468, 106.9479



90.0914, 81.6468, 116.3132



79.2368, 81.6468, 53.2048

Complementary

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



64.8746, 81.6468, 106.9479



59.1348, 47.9809, 35.8522

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.



86.6626, 81.6468, 59.0476



64.8746, 81.6468, 106.9479



93.1899, 81.6468, 93.6280

Square

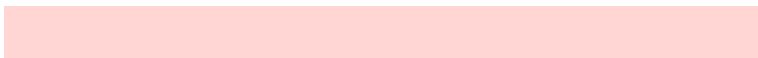
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.8746, 81.6468, 106.9479



83.6725, 81.6468, 133.4211



91.8957, 81.6468, 73.0052



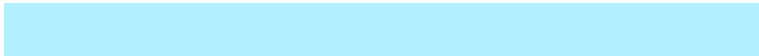
71.8341, 81.6468, 55.5802

Rectangle

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



64.8746, 81.6468, 106.9479



73.5348, 81.6468, 135.8634



91.8957, 81.6468, 73.0052



81.8182, 81.6468, 54.2371

Sweetspot

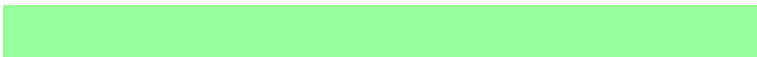
The Sweet Spot groups the original color and five complimentary colors.



64.8768, 81.6499, 106.9484



84.1090, 93.5200, 108.2259



54.8087, 80.6354, 44.6429



17.7703, 19.8778, 23.1502



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.



64.8768, 81.6499, 106.9484



61.1887, 79.2319, 106.6760



51.2745, 54.4454, 102.4143



18.4590, 20.2895, 23.1933



25.7764, 36.4623, 55.1140



2.5362, 3.6031, 5.3751

Inverse Universe

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



69.5685, 50.5578, 95.7180



66.4967, 44.6953, 93.8274



69.6231, 68.9575, 39.3483



18.7443, 18.2810, 22.5367



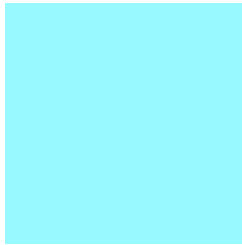
29.7989, 14.4089, 44.4530



2.9148, 1.4083, 4.3986

Previews

White Background



This preview shows how the XYZ color 64.8746, 81.6468, 106.9479 looks on a white background.

Color Contrast Check

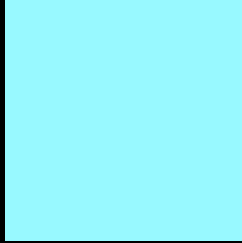
Large Text (above 18pt) WCAG AA × Fail

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 64.8746, 81.6468, 106.9479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

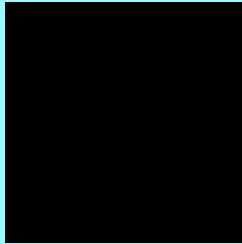
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8746, 81.6468, 106.9479

Background



This preview shows how black text looks on a background with the XYZ color 64.8746, 81.6468, 106.9479.

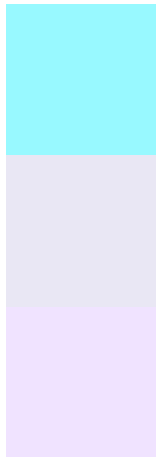


This preview shows how white text looks on a background with the XYZ color 64.8746, 81.6468,

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

64.8746, 81.6468, 106.9479

Protanopia

78.5093, 81.0071, 97.0860

Deuteranopia

81.4543, 80.6834, 105.8881



Tritanopia

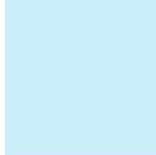
70.5412, 81.4156, 106.6046

Trichromacy



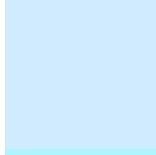
Original Color

64.8746, 81.6468, 106.9479



Protanomaly

72.4197, 80.7638, 100.5790



Deuteranomaly

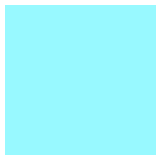
73.7708, 80.0466, 106.1701



Tritanomaly

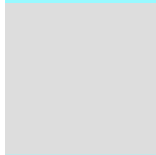
68.3816, 81.6388, 106.7615

Monochromacy



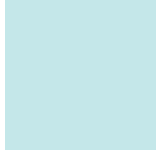
Original Color

64.8746, 81.6468, 106.9479



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.0488, 74.7708, 88.0419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8746, 81.6468, 106.9479 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(152, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 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(152, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.8746, 81.6468, 106.9479 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(152, 249, 255) }
```


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

```
.border{ border-color:rgb(152, 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(152, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8746, 81.6468, 106.9479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 249, 255) }
```

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

```
.background{ background-color: rgb(152,  
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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