

Converting Colors

XYZ(64.4420, 81.2053,
106.3020)

Have a look what the booklet for
XYZ(64.4420, 81.2053, 106.3020)
contains.

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Color

**XYZ(64.2193, 80.8699,
105.9907)**

Conversions

Conversions Part 1

Format	Color
Hex	97F8FE
RGB	151, 248, 254
RGB Percent	59%, 97%, 100%
CMY	0.4078, 0.0274, 0.0039
CMYK	0.41, 0.02, 0.00, 0.00
HSL	183°, 98%, 79%
HSV	183°, 41%, 100%
XYZ	64.2193, 80.8699, 105.9907
YIQ	219.6810, -59.7380, -18.6980

Conversions

Conversions Part 2

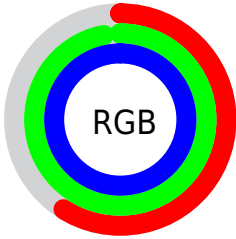
Format	Color
RYB	151, 201, 254
Decimal	9959678
CIELab	92.07, -27.09, -11.88
CIElCh	92, 29.580, 203.678
Yxy	80.8699, 0.2558, 0.3221
Android (android.graphics.Color)	4288149758 (0xFF97F8FE)
YUV	219.6810, 16.9193, -60.2332
Hunter-Lab	89.9277, -29.9028, -6.9311

Details

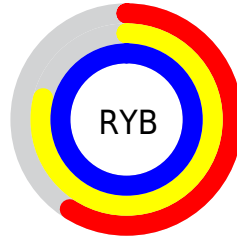
The XYZ color **64.2193, 80.8699, 105.9907** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.5172, 47.4202, 35.3489**, and the grayscale version is **67.7229, 71.2498, 77.5910**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **33.2230, 43.6200, 59.4918** is the 20% darker color. If you saturate the color by 10%, you get **59.5514, 77.7930, 105.6442**, and if you desaturate by 10%, it is **69.9111, 84.4838, 106.3897**.

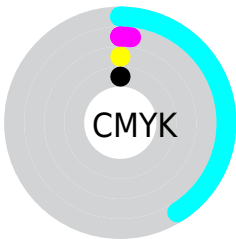
Distribution



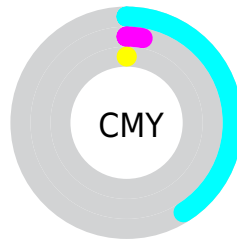
- Red (59%)
- Green (97%)
- Blue (100%)



- Red (59%)
- Yellow (79%)
- Blue (100%)



- Cyan (41%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2193, 80.8699, 105.9907 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 64.2193, 80.8699, 105.9907 by changing the saturation by 10% instead.

64.2193, 80.8699,
105.9907

64.2193, 80.8699,
105.9907

429.5708,
497.8596, 600.6433

47.0907, 60.4345,
80.6683

109.9987,
134.5881, 171.4891

33.3156, 43.7689,
59.7391

139.3801,
168.6396, 212.5022

22.5287, 30.4889,
42.7844

173.5765,
207.9986, 259.5826

14.3647, 20.2100,
29.3859

212.9533,
253.0495, 313.1489

8.4581, 12.5478,
19.1248

257.8758,
304.1766, 373.6196

4.4437, 7.1179,
11.5828

308.7093,

1.9561, 3.5359,

361.7644, 441.4132

6.3412

365.8192,
426.1973, 516.9482

■ 0.6091, 1.4175,
2.9815

■ 0.0000, 0.2296,
1.0852

■ 64.2193, 80.8699,
105.9907

■ 64.2193, 80.8699,
105.9907

■ 59.5514, 77.7930,
105.6442

■ 69.9111, 84.4838,
106.3897

■ 55.8342, 75.2097,
105.3415

■ 76.6794, 88.6561,
106.8383

■ 52.9966, 73.0851,
105.0810

■ 84.5821, 93.4185,
107.3410

■ 50.9543, 71.3757,
104.8587

■ 93.6706, 98.7976,
107.9002

■ 49.6062, 70.0296,
104.6699

94.8897, 99.9359,
108.0557

■ 48.8181, 69.0128,
104.5152

Harmonies

Analogous

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



63.2102, 80.8699, 83.5159



64.2193, 80.8699, 105.9907



68.5134, 80.8699, 126.3461

Triad

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



64.2193, 80.8699, 105.9907



89.2757, 80.8699, 115.3016



78.4882, 80.8699, 52.6042

Complementary

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



64.2193, 80.8699, 105.9907



58.5172, 47.4202, 35.3489

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.



85.8678, 80.8699, 58.4039



64.2193, 80.8699, 105.9907



92.3556, 80.8699, 92.7527

Square

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



64.2193, 80.8699, 105.9907



82.8959, 80.8699, 132.3123



91.0692, 80.8699, 72.2637



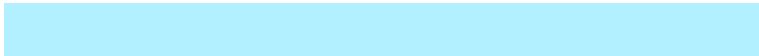
71.1328, 80.8699, 54.9617

Rectangle

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



64.2193, 80.8699, 105.9907



72.8223, 80.8699, 134.7409



91.0692, 80.8699, 72.2637



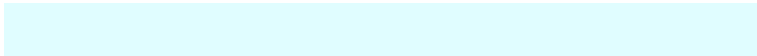
81.0534, 80.8699, 53.6287

Sweetspot

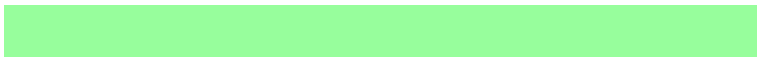
The Sweet Spot groups the original color and five complimentary colors.



64.2217, 80.8731, 105.9926



84.1088, 93.5197, 108.2258



54.2195, 79.8700, 44.0798



17.7703, 19.8778, 23.1501



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.



64.2217, 80.8731, 105.9926



60.7463, 78.9352, 106.6421



50.6995, 53.8287, 101.4852



18.4589, 20.2895, 23.1933



25.7758, 36.4611, 55.1138



2.5362, 3.6030, 5.3751

Inverse Universe

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



68.8849, 49.9834, 94.8276



66.1298, 43.9988, 93.5901



68.9313, 68.2484, 38.8202



18.7443, 18.2810, 22.5366



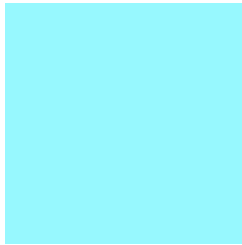
29.7986, 14.4087, 44.4514



2.9147, 1.4083, 4.3984

Previews

White Background



This preview shows how the XYZ color 64.2193, 80.8699, 105.9907 looks on a white background.

Color Contrast Check

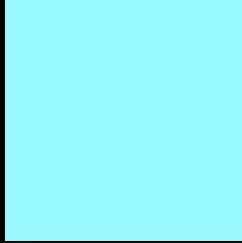
Large Text (above 18pt) WCAG AA × Fail

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 64.2193, 80.8699, 105.9907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

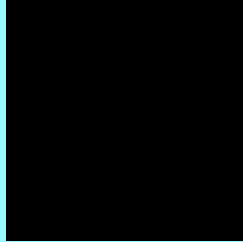
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2193, 80.8699, 105.9907

Background



This preview shows how black text looks on a background with the XYZ color 64.2193, 80.8699, 105.9907.

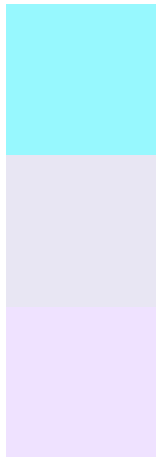


This preview shows how white text looks on a background with the XYZ color 64.2193, 80.8699,

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

64.2193, 80.8699, 105.9907

Protanopia

77.7532, 80.2205, 96.1801

Deuteranopia

80.8430, 79.9634, 105.7813



Tritanopia

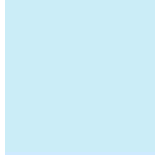
69.2725, 80.3209, 106.4602

Trichromacy



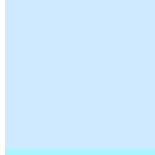
Original Color

64.2193, 80.8699, 105.9907



Protanomaly

71.7013, 79.9803, 99.6544



Deuteranomaly

73.2049, 79.3310, 106.0618



Tritanomaly

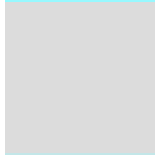
67.4139, 80.6920, 106.6298

Monochromacy



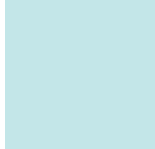
Original Color

64.2193, 80.8699, 105.9907



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.3680, 74.0219, 87.1863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2193, 80.8699, 105.9907 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(151, 248, 254)` looks like.

```
.text, #text, p{  
    color:rgb(151, 248, 254)  
}
```

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(151, 248, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 248, 254) }
```

Border

The CSS property to change the border of an element to XYZ 64.2193, 80.8699, 105.9907 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(151, 248, 254) }
```


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

```
.border{ border-color:rgb(151, 248, 254) }
```

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

Here you see how a box with a 4 pixel rgb(151, 248, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 248, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 248, 254);  
box-shadow:4px 4px 4px 4px rgb(151, 248,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2193, 80.8699, 105.9907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 248, 254) }
```

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

```
.background{ background-color: rgb(151,  
248, 254) }
```

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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