

Converting Colors

XYZ(50.1644, 58.9462, 98.1117)

Have a look what the booklet for
XYZ(50.1644, 58.9462, 98.1117)
contains.

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Color

**XYZ(50.1581, 58.8321,
98.3346)**

Conversions

Conversions Part 1

Format	Color
Hex	84D4F9
RGB	132, 212, 249
RGB Percent	52%, 83%, 98%
CMY	0.4823, 0.1686, 0.0235
CMYK	0.47, 0.15, 0.00, 0.02
HSL	199°, 91%, 75%
HSV	199°, 47%, 98%
XYZ	50.1581, 58.8321, 98.3346
YIQ	192.2980, -59.5570, -5.4530

Conversions

Conversions Part 2

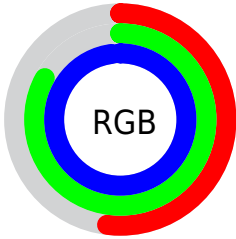
Format	Color
RYB	132, 180, 249
Decimal	8705273
CIELab	81.20, -14.91, -25.74
CIELCh	81, 29.743, 239.915
Yxy	58.8321, 0.2419, 0.2838
Android (android.graphics.Color)	4286895353 (0xFF84D4F9)
YUV	192.2980, 27.9541, -52.8813
Hunter-Lab	76.7021, -17.5014, -22.3203

Details

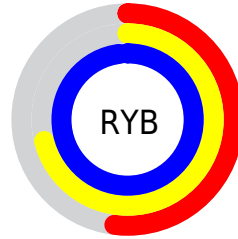
The XYZ color **50.1581, 58.8321, 98.3346** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.4211, 50.1831, 28.4916**, and the grayscale version is **50.1454, 52.7568, 57.4522**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **24.3191, 29.3362, 54.2499** is the 20% darker color. If you saturate the color by 10%, you get **44.7988, 53.2192, 97.5347**, and if you desaturate by 10%, it is **56.5464, 65.1205, 99.2127**.

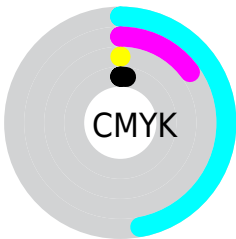
Distribution



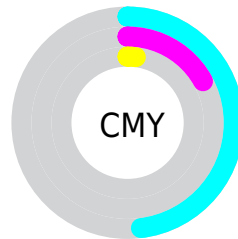
- Red (52%)
- Green (83%)
- Blue (98%)



- Red (52%)
- Yellow (71%)
- Blue (98%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (48%)
- Magenta (17%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1581, 58.8321, 98.3346 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 50.1581, 58.8321, 98.3346 by changing the saturation by 10% instead.

50.1581, 58.8321,
98.3346

50.1581, 58.8321,
98.3346

377.7257,
420.2794, 576.0409

35.7573, 42.4780,
74.3013

89.5995, 103.1336,
160.8985

24.4161, 29.4757,
54.5424

115.3709,
131.8498, 200.2662

15.7690, 19.4410,
38.6394

145.6631,
165.4554, 245.5825

9.4506, 11.9894,
26.1736

180.8417,
204.3349, 297.2658

5.0957, 6.7364,
16.7266

221.2718,
248.8727, 355.7348

2.3389, 3.2978,
9.8799

267.3190,

0.8144, 1.2891,

299.4531, 421.4080

5.2148

319.3485,
356.4605, 494.7038

■ 0.0000, 0.1328,
2.3129

■ 0.0000, 0.0000,
0.7384

■ 50.1581, 58.8321,
98.3346

■ 50.1581, 58.8321,
98.3346

■ 44.7988, 53.2192,
97.5347

■ 56.5464, 65.1205,
99.2127

■ 40.3941, 48.2378,
96.8054

■ 64.0198, 72.1114,
100.1682

■ 36.8686, 43.8479,
96.1439

■ 72.6369, 79.8385,
101.2055

■ 34.1312, 40.0008,
95.5456

■ 82.4505, 88.3306,
102.3274

■ 32.0662, 36.6345,
95.0046

■ 92.9533, 97.3282,
103.5106

■ 31.5225, 35.6865,
94.8503

■ 94.0991, 99.6196,
103.8925

Harmonies

Analogous

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



46.2177, 58.8321, 82.6177



50.1581, 58.8321, 98.3346



55.9004, 58.8321, 104.5768

Triad

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



50.1581, 58.8321, 98.3346



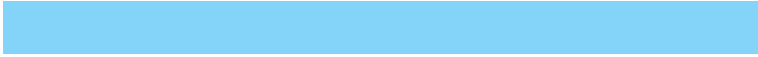
68.6928, 58.8321, 64.1090



50.1867, 58.8321, 38.8097

Complementary

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



50.1581, 58.8321, 98.3346



57.4211, 50.1831, 28.4916

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.



55.9359, 58.8321, 35.6462



50.1581, 58.8321, 98.3346



66.8889, 58.8321, 48.5097

Square

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



50.1581, 58.8321, 98.3346



66.8689, 58.8321, 82.7220



62.1031, 58.8321, 38.8461



46.2334, 58.8321, 48.4366

Rectangle

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



50.1581, 58.8321, 98.3346



60.0736, 58.8321, 101.7744



62.1031, 58.8321, 38.8461



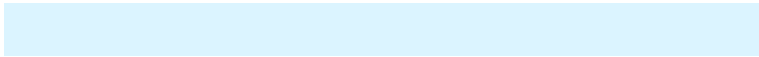
51.9589, 58.8321, 37.0439

Sweetspot

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



50.1600, 58.8343, 98.3360



79.6174, 86.8540, 107.1759



50.3773, 75.4520, 48.5182



16.5809, 18.1876, 22.8866



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.



50.1600, 58.8343, 98.3360



47.7652, 56.6932, 103.0331



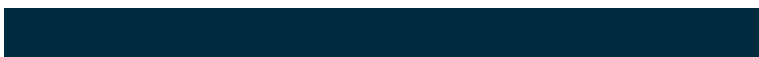
38.4044, 35.3231, 94.4175



17.2758, 18.6285, 22.0704



17.0066, 19.3688, 50.8158



1.6702, 1.9842, 4.7381

Inverse Universe

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



59.2035, 41.3976, 67.1599



58.6695, 37.5378, 65.0231



70.3208, 75.9826, 32.7915



17.7458, 17.4257, 20.5169



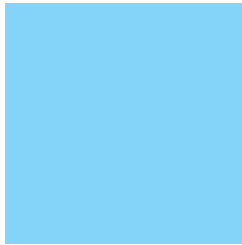
24.8762, 12.3662, 21.8542



2.3520, 1.1645, 2.2769

Previews

White Background



This preview shows how the XYZ color 50.1581, 58.8321, 98.3346 looks on a white background.

Color Contrast Check

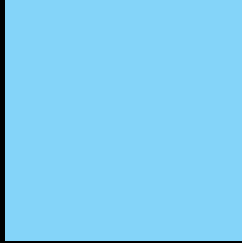
Large Text (above 18pt) WCAG AA × Fail

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 50.1581, 58.8321, 98.3346 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 50.1581, 58.8321, 98.3346

Background



This preview shows how black text looks on a background with the XYZ color 50.1581, 58.8321, 98.3346.



This preview shows how white text looks on a background with the XYZ color 50.1581, 58.8321,

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

50.1581, 58.8321, 98.3346

Protanopia

57.8898, 58.3446, 90.6486

Deuteranopia

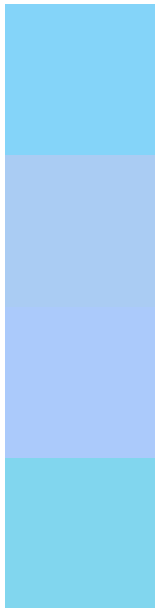
59.7851, 58.4301, 100.2226



Tritanopia

47.6183, 58.9391, 85.2106

Trichromacy



Original Color

50.1581, 58.8321, 98.3346

Protanomaly

54.3481, 58.2028, 93.1638

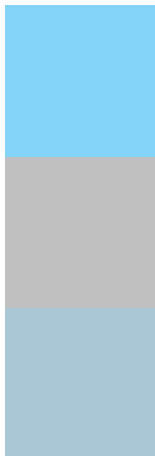
Deuteranomaly

55.3277, 57.8640, 99.5196

Tritanomaly

48.5324, 58.9333, 89.7063

Monochromacy



Original Color

50.1581, 58.8321, 98.3346

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.0112, 54.1970, 70.8287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1581, 58.8321, 98.3346 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(132, 212, 249)` looks like.

```
.text, #text, p{  
    color:rgb(132, 212, 249)  
}
```

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(132, 212, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 212, 249) }
```

Border

The CSS property to change the border of an element to XYZ 50.1581, 58.8321, 98.3346 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(132, 212, 249) }
```


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

```
.border{ border-color:rgb(132, 212, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 212, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 212, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 212, 249);  
box-shadow:4px 4px 4px 4px rgb(132, 212,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1581, 58.8321, 98.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 212, 249) }
```

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

```
.background{ background-color: rgb(132,  
212, 249) }
```

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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