

Converting Colors

XYZ(58.4065, 81.2116,
102.5769)

Have a look what the booklet for
XYZ(58.4065, 81.2116, 102.5769)
contains.

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Color

**XYZ(58.3384, 81.1843,
102.2179)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFF9
RGB	102, 255, 249
RGB Percent	40%, 100%, 98%
CMY	0.6000, 0.0000, 0.0235
CMYK	0.60, 0.00, 0.02, 0.00
HSL	178°, 100%, 70%
HSV	178°, 60%, 100%
XYZ	58.3384, 81.1843, 102.2179
YIQ	208.5690, -89.2620, -34.3020

Conversions

Conversions Part 2

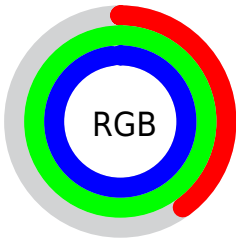
Format	Color
RYB	102, 180, 255
Decimal	6750201
CIELab	92.21, -41.52, -9.26
CIElCh	92, 42.536, 192.571
Yxy	81.1843, 0.2413, 0.3358
Android (android.graphics.Color)	4284940281 (0xFF66FFF9)
YUV	208.5690, 19.9325, -93.4610
Hunter-Lab	90.1023, -42.1060, -4.1908

Details

The XYZ color **58.3384, 81.1843, 102.2179** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.6993, 31.8472, 17.7695**, and the grayscale version is **60.2407, 63.3779, 69.0186**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **29.8197, 44.2384, 57.4193** is the 20% darker color. If you saturate the color by 10%, you get **55.7246, 79.8548, 101.2851**, and if you desaturate by 10%, it is **61.8438, 82.9734, 103.1997**.

Distribution



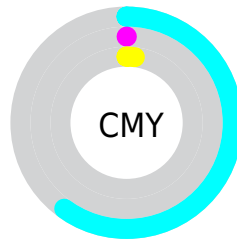
- Red (40%)
- Green (100%)
- Blue (98%)



- Red (40%)
- Yellow (71%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3384, 81.1843, 102.2179 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 58.3384, 81.1843, 102.2179 by changing the saturation by 10% instead.


 58.3384, 81.1843,
102.2179

 58.3384, 81.1843,
102.2179


408.3793,
498.9151, 588.5876


 42.3251, 60.6934,
77.5269


 101.5356,
135.0295, 166.2801

 29.5481, 43.9778,
57.1713


 129.4502,
169.1526, 206.4885

 19.6422, 30.6530,
40.7325

 162.0626,
208.5886, 252.7064

 12.2420, 20.3348,
27.7920

199.7382,
253.7218, 305.3523

 6.9821, 12.6386,
17.9313

242.8423,
304.9367, 364.8449

 3.4971, 7.1802,
10.7317

291.7403,

 1.4218, 3.5750,

362.6176, 431.6026

5.7748

346.7975,
427.1489, 506.0440

■ 0.2717, 1.4388,
2.6421

■ 0.0000, 0.2451,
0.9141

■ 58.3384, 81.1843,
102.2179

■ 58.3384, 81.1843,
102.2179

■ 55.7246, 79.8548,
101.2851

■ 61.8438, 82.9734,
103.1997

■ 53.9145, 78.9396,
100.3928

■ 66.3112, 85.2582,
104.2294

■ 52.8085, 78.3872,
99.5377

■ 71.8078, 88.0735,
105.3115

■ 52.2419, 78.1128,
98.7122

■ 78.3938, 91.4504,
106.4491

■ 52.2418, 78.1127,
98.7120

■ 86.1250, 95.4175,
107.6446

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



58.7237, 81.1843, 71.4951



58.3384, 81.1843, 102.2179



62.6373, 81.1843, 135.9284

Triad

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



58.3384, 81.1843, 102.2179



92.3435, 81.1843, 140.8143



83.6608, 81.1843, 42.3504

Complementary

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



58.3384, 81.1843, 102.2179



48.6993, 31.8472, 17.7695

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.



93.7774, 81.1843, 53.4795



58.3384, 81.1843, 102.2179



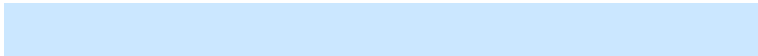
99.1076, 81.1843, 107.7700

Square

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



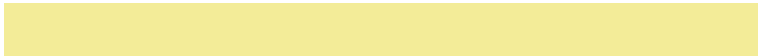
58.3384, 81.1843, 102.2179



81.8495, 81.1843, 161.5100



99.6560, 81.1843, 75.8797



72.6593, 81.1843, 41.5433

Rectangle

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



58.3384, 81.1843, 102.2179



67.8414, 81.1843, 153.6488



99.6560, 81.1843, 75.8797



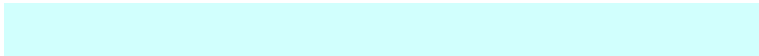
87.3021, 81.1843, 44.8603

Sweetspot

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



58.3396, 81.1849, 102.2194



79.8444, 92.1945, 106.6831



44.5466, 75.7726, 24.8502



16.6408, 19.5030, 22.7617



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.



58.3396, 81.1849, 102.2194



55.3005, 79.6398, 101.1031



41.1217, 45.2278, 101.1702



18.5223, 20.4684, 23.0533



27.3111, 40.8210, 51.6509



2.6684, 3.9783, 5.0776

Inverse Universe

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



48.6993, 31.8472, 17.7695



44.9155, 26.3762, 10.0445



58.1741, 51.2903, 19.4064



18.0382, 17.9986, 18.8185



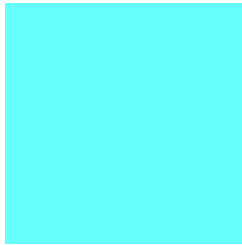
21.5899, 11.1252, 1.2248



2.1118, 1.0871, 0.1703

Previews

White Background



This preview shows how the XYZ color 58.3384, 81.1843, 102.2179 looks on a white background.

Color Contrast Check

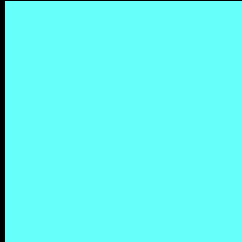
Large Text (above 18pt) WCAG AA × Fail

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 58.3384, 81.1843, 102.2179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

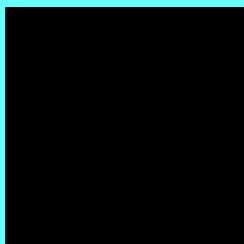
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

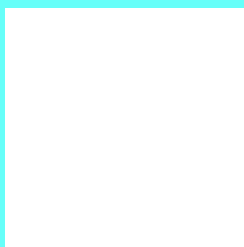
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.3384, 81.1843, 102.2179

Background



This preview shows how black text looks on a background with the XYZ color 58.3384, 81.1843, 102.2179.

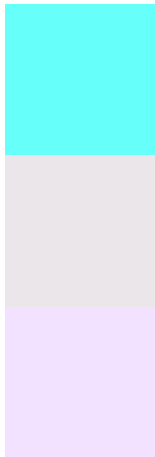


This preview shows how white text looks on a background with the XYZ color 58.3384, 81.1843,

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

58.3384, 81.1843, 102.2179

Protanopia

77.0798, 80.0266, 89.2260

Deuteranopia

81.5932, 79.9477, 105.7388



Tritanopia

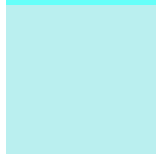
68.0051, 80.5513, 106.5714

Trichromacy



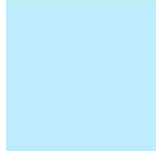
Original Color

58.3384, 81.1843, 102.2179



Protanomaly

66.6962, 78.4041, 93.2796



Deuteranomaly

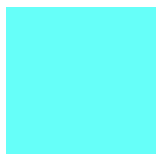
69.2109, 78.1591, 104.3669



Tritanomaly

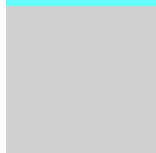
63.3848, 80.0029, 105.0299

Monochromacy



Original Color

58.3384, 81.1843, 102.2179



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

57.2285, 68.3206, 80.6919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3384, 81.1843, 102.2179 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(102, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 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(102, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 58.3384, 81.1843, 102.2179 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(102, 255, 249) }
```


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

```
.border{ border-color:rgb(102, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3384, 81.1843, 102.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 249) }
```

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

```
.background{ background-color: rgb(102,  
255, 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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