

Converting Colors

XYZ(58.7408, 81.3453,
104.3370)

Have a look what the booklet for
XYZ(58.7408, 81.3453, 104.3370)
contains.

XYZ(58.8102, 81.3731, 104.7024)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.8102, 81.3731,
104.7024)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFFC
RGB	102, 255, 252
RGB Percent	40%, 100%, 99%
CMY	0.6000, 0.0000, 0.0118
CMYK	0.60, 0.00, 0.01, 0.00
HSL	179°, 100%, 70%
HSV	179°, 60%, 100%
XYZ	58.8102, 81.3731, 104.7024
YIQ	208.9110, -90.2250, -33.3690

Conversions

Conversions Part 2

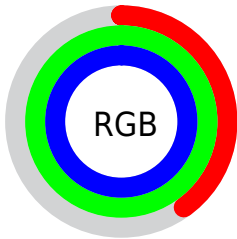
Format	Color
RYB	102, 179, 255
Decimal	6750204
CIELab	92.30, -40.74, -10.69
CIELCh	92, 42.114, 194.700
Yxy	81.3731, 0.2402, 0.3323
Android (android.graphics.Color)	4284940284 (0xFF66FFFC)
YUV	208.9110, 21.2429, -93.7609
Hunter-Lab	90.2070, -41.4898, -5.6724

Details

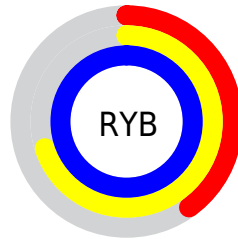
The XYZ color **58.8102, 81.3731, 104.7024** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.5423, 31.7843, 16.9428**, and the grayscale version is **60.4554, 63.6037, 69.2645**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **30.0444, 44.3283, 58.6025** is the 20% darker color. If you saturate the color by 10%, you get **56.2729, 80.0741, 104.1722**, and if you desaturate by 10%, it is **62.2385, 83.1312, 105.2783**.

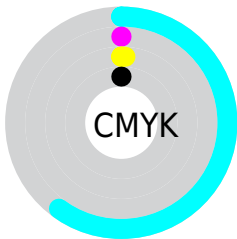
Distribution



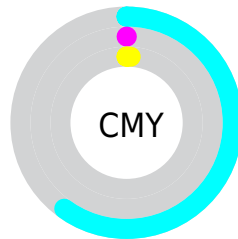
- Red (40%)
- Green (100%)
- Blue (99%)



- Red (40%)
- Yellow (70%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8102, 81.3731, 104.7024 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 58.8102, 81.3731, 104.7024 by changing the saturation by 10% instead.


 58.8102, 81.3731,
104.7024


 58.8102, 81.3731,
104.7024


410.1035,
499.5483, 596.5410

 42.7061, 60.8489,
79.5948


 102.2180,
135.2945, 169.7125

 29.8481, 44.1033,
58.8608


 130.2524,
169.4606, 210.4521

 19.8708, 30.7517,
42.0818


 162.9943,
208.9427, 257.2394

 12.4089, 20.4098,
28.8393

200.8090,
254.1253, 310.4930

 7.0970, 12.6933,
18.7147

244.0620,
305.3928, 370.6314

 3.5697, 7.2177,
11.2896

293.1185,

 1.4617, 3.5986,

363.1295, 438.0732

6.1454

348.3439,
427.7199, 513.2369

■ 0.2996, 1.4517,
2.8635

■ 0.0000, 0.2543,
1.0253

■ 58.8102, 81.3731,
104.7024

■ 58.8102, 81.3731,
104.7024

■ 56.2729, 80.0741,
104.1722

■ 62.2385, 83.1312,
105.2783

■ 54.5386, 79.1892,
103.6792

■ 66.6282, 85.3850,
105.8988

■ 53.5078, 78.6669,
103.2202

■ 72.0464, 88.1690,
106.5685

■ 53.0159, 78.4224,
102.7876

■ 78.5535, 91.5143,
107.2903

■ 53.0157, 78.4223,
102.7874

■ 86.2051, 95.4495,
108.0668

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.



58.8574, 81.3731, 73.7051



58.8102, 81.3731, 104.7024



63.3972, 81.3731, 137.8153

Triad

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



58.8102, 81.3731, 104.7024



93.0213, 81.3731, 138.4112



82.9988, 81.3731, 42.4429

Complementary

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



58.8102, 81.3731, 104.7024



48.5423, 31.7843, 16.9428

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.



93.1965, 81.3731, 52.7681



58.8102, 81.3731, 104.7024



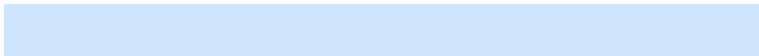
99.3421, 81.3731, 105.3807

Square

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



58.8102, 81.3731, 104.7024



82.7774, 81.3731, 160.1614



99.4091, 81.3731, 74.2421



72.1512, 81.3731, 42.3437

Rectangle

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



58.8102, 81.3731, 104.7024



68.7373, 81.3731, 154.6062



99.4091, 81.3731, 74.2421



86.6379, 81.3731, 44.7014

Sweetspot

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



58.8113, 81.3736, 104.7039



79.9883, 92.2521, 107.4409



44.2350, 75.6119, 24.8356



16.6765, 19.5173, 22.9500



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.



58.8113, 81.3736, 104.7039



55.8640, 79.8652, 104.0705



40.5886, 44.1618, 100.9926



18.5386, 20.4750, 23.1392



27.7089, 40.9801, 53.7455



2.7026, 3.9920, 5.2579

Inverse Universe

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



48.5423, 31.7843, 16.9428



44.7887, 26.3255, 9.3770



58.6599, 52.2619, 19.5682



18.0238, 17.9928, 18.7426



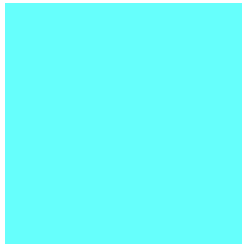
21.5693, 11.1170, 1.1166



2.1050, 1.0844, 0.1342

Previews

White Background



This preview shows how the XYZ color 58.8102, 81.3731, 104.7024 looks on a white background.

Color Contrast Check

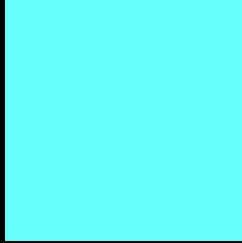
Large Text (above 18pt) WCAG AA × Fail

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 58.8102, 81.3731, 104.7024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

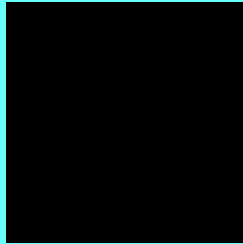
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

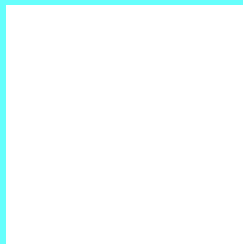
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.8102, 81.3731, 104.7024

Background



This preview shows how black text looks on a background with the XYZ color 58.8102, 81.3731, 104.7024.

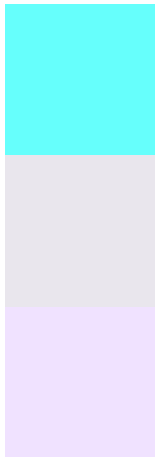


This preview shows how white text looks on a background with the XYZ color 58.8102, 81.3731,

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

58.8102, 81.3731, 104.7024

Protanopia

77.1871, 80.0317, 91.5002

Deuteranopia

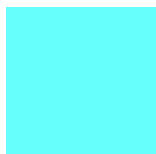
81.1815, 80.1380, 105.7972



Tritanopia

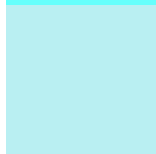
68.2321, 80.6683, 106.5821

Trichromacy



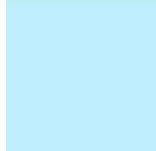
Original Color

58.8102, 81.3731, 104.7024



Protanomaly

66.9011, 78.4581, 95.6223



Deuteranomaly

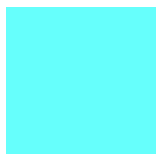
69.4088, 78.6713, 105.2928



Tritanomaly

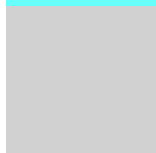
63.7278, 80.1613, 105.8798

Monochromacy



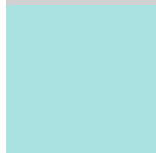
Original Color

58.8102, 81.3731, 104.7024



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

57.3645, 68.3750, 81.4084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8102, 81.3731, 104.7024 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 252) }
```

Border

The CSS property to change the border of an element to XYZ 58.8102, 81.3731, 104.7024 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, 252) }
```


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

```
.border{ border-color:rgb(102, 255, 252) }
```

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, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8102, 81.3731, 104.7024 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, 252) }
```

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

```
.background{ background-color: rgb(102,  
255, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor