

Converting Colors

XYZ(58.4636, 81.2344,
102.8774)

Have a look what the booklet for
XYZ(58.4636, 81.2344, 102.8774)
contains.

XYZ(58.4948, 81.2469, 103.0417)	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(58.4948, 81.2469,
103.0417)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFFA
RGB	102, 255, 250
RGB Percent	40%, 100%, 98%
CMY	0.6000, 0.0000, 0.0196
CMYK	0.60, 0.00, 0.02, 0.00
HSL	178°, 100%, 70%
HSV	178°, 60%, 100%
XYZ	58.4948, 81.2469, 103.0417
YIQ	208.6830, -89.5830, -33.9910

Conversions

Conversions Part 2

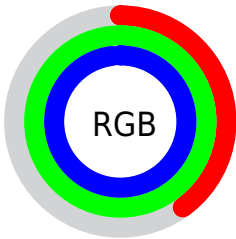
Format	Color
RYB	102, 180, 255
Decimal	6750202
CIELab	92.24, -41.26, -9.73
CIELCh	92, 42.390, 193.276
Yxy	81.2469, 0.2409, 0.3346
Android (android.graphics.Color)	4284940282 (0xFF66FFFA)
YUV	208.6830, 20.3693, -93.5610
Hunter-Lab	90.1371, -41.9016, -4.6824

Details

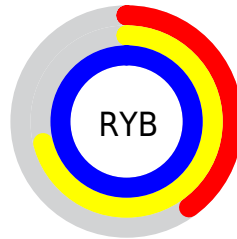
The XYZ color **58.4948, 81.2469, 103.0417** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.6463, 31.8259, 17.4906**, and the grayscale version is **60.3121, 63.4531, 69.1004**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **29.9317, 44.2832, 58.0089** is the 20% darker color. If you saturate the color by 10%, you get **55.9062, 79.9275, 102.2415**, and if you desaturate by 10%, it is **61.9748, 83.0257, 103.8895**.

Distribution



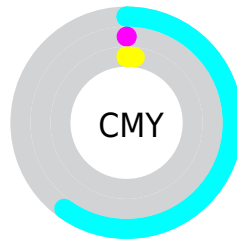
- Red (40%)
- Green (100%)
- Blue (98%)



- 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 58.4948, 81.2469, 103.0417 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 58.4948, 81.2469, 103.0417 by changing the saturation by 10% instead.


 58.4948, 81.2469,
103.0417


 58.4948, 81.2469,
103.0417


408.9514,
499.1251, 591.2310


 42.4514, 60.7450,
78.2122


 101.7619,
135.1174, 167.4191

 29.6475, 44.0194,
57.7308


 129.7162,
169.2547, 207.8042

 19.7180, 30.6857,
41.1790


 162.3716,
208.7060, 254.2115

 12.2973, 20.3597,
28.1382

200.0934,
253.8556, 307.0596

 7.0201, 12.6568,
18.1900

243.2469,
305.0879, 366.7671

 3.5211, 7.1926,
10.9156

292.1975,

 1.4350, 3.5829,

362.7873, 433.7525

5.8966

347.3105,
427.3383, 508.4342

■ 0.2809, 1.4431,
2.7146

■ 0.0000, 0.2481,
0.9507

■ 58.4948, 81.2469,
103.0417

■ 58.4948, 81.2469,
103.0417

■ 55.9062, 79.9275,
102.2415

■ 61.9748, 83.0257,
103.8895

■ 54.1210, 79.0222,
101.4805

■ 66.4164, 85.3003,
104.7839

■ 53.0397, 78.4797,
100.7554

■ 71.8870, 88.1052,
105.7294

■ 52.4976, 78.2151,
100.0586

■ 78.4468, 91.4716,
106.7290

■ 52.4975, 78.2150,
100.0584

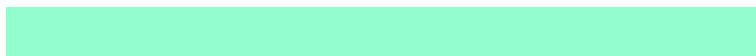
■ 86.1515, 95.4281,
107.7851

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.



58.7676, 81.2469, 72.2263



58.4948, 81.2469, 103.0417



62.8894, 81.2469, 136.5562

Triad

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



58.4948, 81.2469, 103.0417



92.5691, 81.2469, 140.0110



83.4395, 81.2469, 42.3802

Complementary

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



58.4948, 81.2469, 103.0417



48.6463, 31.8259, 17.4906

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.



93.5835, 81.2469, 53.2408



58.4948, 81.2469, 103.0417



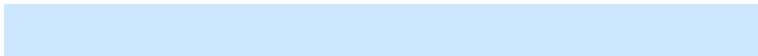
99.1859, 81.2469, 106.9695

Square

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



58.4948, 81.2469, 103.0417



82.1579, 81.2469, 161.0609



99.5738, 81.2469, 75.3305



72.4893, 81.2469, 41.8080

Rectangle

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



58.4948, 81.2469, 103.0417



68.1387, 81.2469, 153.9687



99.5738, 81.2469, 75.3305



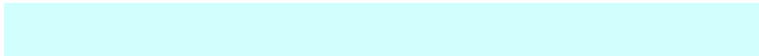
87.0802, 81.2469, 44.8064

Sweetspot

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



58.4959, 81.2475, 103.0432



79.8923, 92.2137, 106.9353



44.2350, 75.6119, 24.8355



16.6527, 19.5078, 22.8244



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.



58.4959, 81.2475, 103.0432



55.4871, 79.7144, 102.0860



40.5886, 44.1617, 100.9926



18.5277, 20.4706, 23.0819



27.4425, 40.8736, 52.3430



2.6797, 3.9828, 5.1372

Inverse Universe

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



48.6463, 31.8259, 17.4906



44.8724, 26.3590, 9.8179



58.6598, 52.2618, 19.5682



18.0334, 17.9967, 18.7932



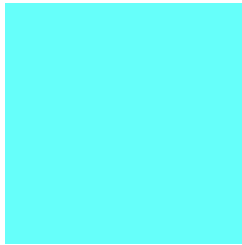
21.5830, 11.1225, 1.1887



2.1095, 1.0862, 0.1583

Previews

White Background



This preview shows how the XYZ color 58.4948, 81.2469, 103.0417 looks on a white background.

Color Contrast Check

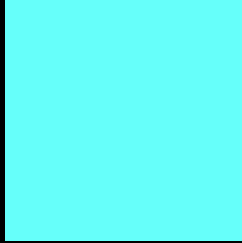
Large Text (above 18pt) WCAG AA × Fail

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 58.4948, 81.2469, 103.0417 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 58.4948, 81.2469, 103.0417

Background



This preview shows how black text looks on a background with the XYZ color 58.4948, 81.2469, 103.0417.

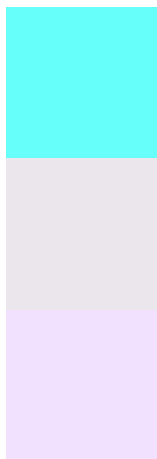


This preview shows how white text looks on a background with the XYZ color 58.4948, 81.2469,

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

58.4948, 81.2469, 103.0417

Protanopia

77.2239, 80.0842, 89.9849

Deuteranopia

81.2508, 79.7712, 105.7227



Tritanopia

68.0051, 80.5513, 106.5714

Trichromacy



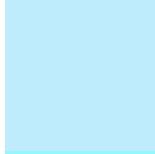
Original Color

58.4948, 81.2469, 103.0417



Protanomaly

66.8444, 78.4634, 94.0599



Deuteranomaly

68.9603, 78.0299, 104.3552



Tritanomaly

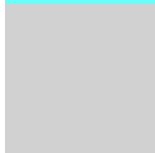
63.3848, 80.0029, 105.0299

Monochromacy



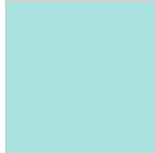
Original Color

58.4948, 81.2469, 103.0417



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 58.4948, 81.2469, 103.0417 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 250) }
```

Border

The CSS property to change the border of an element to XYZ 58.4948, 81.2469, 103.0417 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, 250) }
```


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

```
.border{ border-color:rgb(102, 255, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4948, 81.2469, 103.0417 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, 250) }
```

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

```
.background{ background-color: rgb(102,  
255, 250) }
```

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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