

Converting Colors

XYZ(52.0658, 78.8898, 59.4968)

Have a look what the booklet for
XYZ(52.0658, 78.8898, 59.4968)
contains.

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Color

**XYZ(52.0658, 78.8898,
59.4968)**

Conversions

Conversions Part 1

Format	Color
Hex	75FFBB
RGB	117, 255, 187
RGB Percent	46%, 100%, 73%
CMY	0.5412, 0.0000, 0.2667
CMYK	0.54, 0.00, 0.27, 0.00
HSL	150°, 100%, 73%
HSV	150°, 54%, 100%
XYZ	52.0658, 78.8898, 59.4968
YIQ	205.9860, -60.4200, -50.4040

Conversions

Conversions Part 2

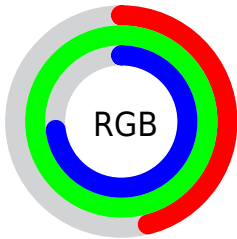
Format	Color
RYB	117, 209, 255
Decimal	7733179
CIELab	91.18, -52.89, 21.29
CIELCh	91, 57.015, 158.072
Yxy	78.8898, 0.2734, 0.4142
Android (android.graphics.Color)	4285923259 (0xFF75FFBB)
YUV	205.9860, -9.3601, -78.0407
Hunter-Lab	88.8199, -50.7991, 22.4580

Details

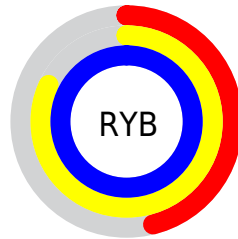
The XYZ color **52.0658, 78.8898, 59.4968** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **56.3587, 37.4862, 50.1646**, and the grayscale version is **58.7431, 61.8023, 67.3027**.

A 20% lighter version of the original color is **70.0691, 87.3382, 97.9589**, and **25.5360, 42.3067, 29.3744** is the 20% darker color. If you saturate the color by 10%, you get **47.8069, 76.8429, 52.5807**, and if you desaturate by 10%, it is **57.3767, 81.4653, 67.0792**.

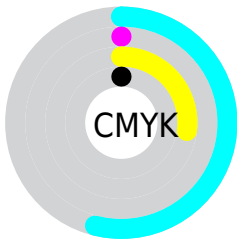
Distribution



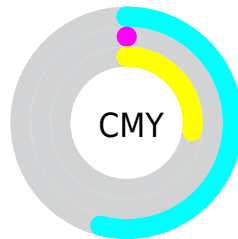
- Red (46%)
- Green (100%)
- Blue (73%)



- Red (46%)
- Yellow (82%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0658, 78.8898, 59.4968 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 52.0658, 78.8898, 59.4968 by changing the saturation by 10% instead.

 52.0658, 78.8898,
59.4968


 52.0658, 78.8898,
59.4968

385.0104,
491.1835, 440.4935


 37.2820, 58.8052,
42.5905


 92.4019, 131.8037,
105.6356

 25.6006, 42.4563,
29.2350


 118.6850,
165.4018, 135.7052

 16.6562, 29.4588,
19.0115


 149.5318,
204.2732, 170.9996

 10.0834, 19.4282,
11.5017

185.3078,
248.8023, 211.9374

 5.5170, 11.9801,
6.2870

226.3783,
299.3735, 258.9372

 2.5915, 6.7301,
2.9487

273.1086,

 0.9416, 3.2939,

356.3711, 312.4175

1.0685

325.8642,
420.1797, 372.7967

0.0000, 1.2870,
0.0000

0.0000, 0.1311,
0.0000

52.0658, 78.8898,
59.4968

52.0658, 78.8898,
59.4968

47.8069, 76.8429,
52.5807

57.3767, 81.4653,
67.0792

44.5172, 75.2825,
46.3075

63.8095, 84.6054,
75.3424

42.1041, 74.1610,
40.6578

71.4302, 88.3435,
84.3053

40.4539, 73.4203,
35.6094

80.2989, 92.7104,
93.9848

■ 39.7457, 73.1143,
32.9084

■ 90.4714, 97.7346,
104.3973

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.



59.1335, 78.8898, 37.2798



52.0658, 78.8898, 59.4968



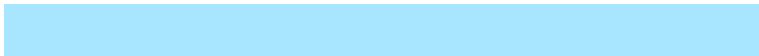
50.7184, 78.8898, 97.5520

Triad

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



52.0658, 78.8898, 59.4968



78.9484, 78.8898, 191.1078



99.0285, 78.8898, 45.6070

Complementary

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



52.0658, 78.8898, 59.4968



56.3587, 37.4862, 50.1646

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.



105.9631, 78.8898, 75.2104



52.0658, 78.8898, 59.4968



93.4368, 78.8898, 164.9186

Square

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



52.0658, 78.8898, 59.4968



65.0859, 78.8898, 182.7720



103.7953, 78.8898, 119.1399



85.8345, 78.8898, 31.2396

Rectangle

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



52.0658, 78.8898, 59.4968



53.0581, 78.8898, 129.0055



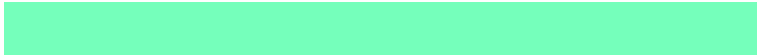
103.7953, 78.8898, 119.1399



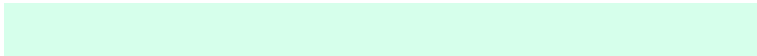
102.2412, 78.8898, 53.6534

Sweetspot

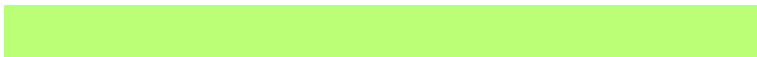
The Sweet Spot groups the original color and five complimentary colors.



52.0665, 78.8901, 59.4981



78.5303, 91.8384, 92.1060



59.2212, 83.2437, 29.7770



16.4063, 19.4589, 19.2813



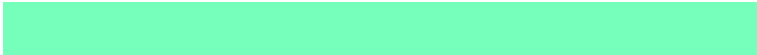
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.0665, 78.8901, 59.4981



47.4784, 76.6860, 52.0007



61.1466, 82.5221, 107.3133



18.1561, 20.3220, 21.1248



20.8436, 38.2340, 17.5935



2.0846, 3.7448, 2.0036

Inverse Universe

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



56.3587, 37.4862, 50.1646



52.1766, 31.3838, 41.7973



50.8128, 35.2678, 20.9599



18.3825, 18.1363, 20.6314



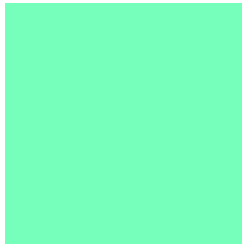
23.5799, 11.9212, 11.7040



2.3509, 1.1827, 1.4294

Previews

White Background



This preview shows how the XYZ color 52.0658, 78.8898, 59.4968 looks on a white background.

Color Contrast Check

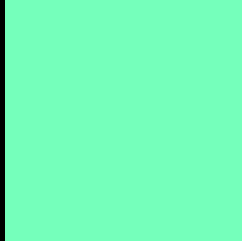
Large Text (above 18pt) WCAG AA × Fail

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 52.0658, 78.8898, 59.4968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

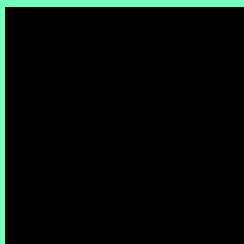
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0658, 78.8898, 59.4968

Background



This preview shows how black text looks on a background with the XYZ color 52.0658, 78.8898, 59.4968.

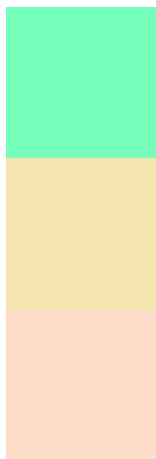


This preview shows how white text looks on a background with the XYZ color 52.0658, 78.8898,

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

52.0658, 78.8898, 59.4968

Protanopia

72.6916, 77.7759, 51.2254

Deuteranopia

77.8759, 77.2847, 67.3128



Tritanopia

65.7877, 78.0862, 106.2125

Trichromacy



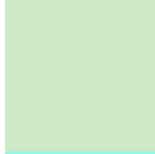
Original Color

52.0658, 78.8898, 59.4968



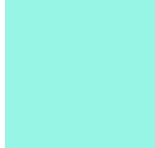
Protanomaly

61.9999, 76.4095, 54.1286



Deuteranomaly

64.3938, 75.2882, 63.9615



Tritanomaly

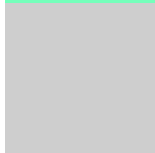
59.6978, 77.5973, 86.6943

Monochromacy



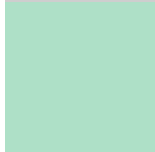
Original Color

52.0658, 78.8898, 59.4968



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.4200, 66.4335, 63.9875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0658, 78.8898, 59.4968 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(117, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 187)  
}
```

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(117, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 52.0658, 78.8898, 59.4968 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(117, 255, 187) }
```


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

```
.border{ border-color:rgb(117, 255, 187) }
```

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

Here you see how a box with a 4 pixel rgb(117, 255, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0658, 78.8898, 59.4968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 187) }
```

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

```
.background{ background-color: rgb(117,  
255, 187) }
```

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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