

Converting Colors

XYZ(55.0445, 85.1867, 58.9455)

Have a look what the booklet for
XYZ(55.0445, 85.1867, 58.9455)
contains.

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Color

**XYZ(51.8829, 78.8322,
57.8290)**

Conversions

Conversions Part 1

Format	Color
Hex	76FFB8
RGB	118, 255, 184
RGB Percent	46%, 100%, 72%
CMY	0.5372, 0.0000, 0.2784
CMYK	0.54, 0.00, 0.28, 0.00
HSL	149°, 100%, 73%
HSV	149°, 54%, 100%
XYZ	51.8829, 78.8322, 57.8290
YIQ	205.9430, -58.8610, -51.1250

Conversions

Conversions Part 2

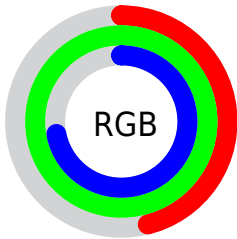
Format	Color
RYB	118, 210, 255
Decimal	7798712
CIELab	91.16, -53.26, 22.79
CIElCh	91, 57.929, 156.834
Yxy	78.8322, 0.2752, 0.4181
Android (android.graphics.Color)	4285988792 (0xFF76FFB8)
YUV	205.9430, -10.8179, -77.1260
Hunter-Lab	88.7875, -51.0718, 23.5345

Details

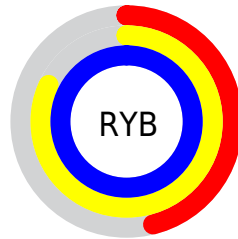
The XYZ color **51.8829, 78.8322, 57.8290** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **56.9041, 37.8917, 52.4590**, and the grayscale version is **58.7238, 61.7820, 67.2806**.

A 20% lighter version of the original color is **69.8483, 87.2762, 95.6027**, and **25.4282, 42.2750, 28.2924** is the 20% darker color. If you saturate the color by 10%, you get **47.5544, 76.7535, 50.7303**, and if you desaturate by 10%, it is **57.2779, 81.4458, 65.6558**.

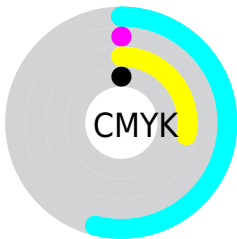
Distribution



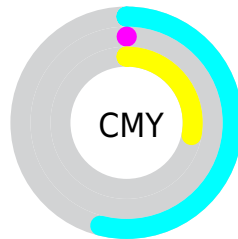
- Red (46%)
- Green (100%)
- Blue (72%)



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



- Cyan (54%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8829, 78.8322, 57.8290 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 51.8829, 78.8322, 57.8290 by changing the saturation by 10% instead.


 51.8829, 78.8322,
57.8290


 51.8829, 78.8322,
57.8290


384.3158,
490.9885, 434.1289


 37.1356, 58.7579,
41.2574


 92.1338, 131.7226,
103.1861

 25.4867, 42.4182,
28.1991


 118.3681,
165.3075, 132.8087

 16.5707, 29.4289,
18.2354


 149.1621,
204.1646, 167.6187

 10.0223, 19.4055,
10.9479

184.8813,
248.6784, 208.0347

 5.4761, 11.9637,
5.9181

225.8908,
299.2333, 254.4752

 2.5668, 6.7189,
2.7274

272.5562,

 0.9291, 3.2870,

356.2137, 307.3586

0.9572

325.2427,
420.0040, 367.1037

0.0000, 1.2833,
0.0000

0.0000, 0.1282,
0.0000

51.8829, 78.8322,
57.8290

51.8829, 78.8322,
57.8290

47.5544, 76.7535,
50.7303

57.2779, 81.4458,
65.6558

44.2097, 75.1673,
44.3336

63.8096, 84.6301,
74.2279

41.7560, 74.0264,
38.6165

71.5442, 88.4187,
83.5666

40.0801, 73.2727,
33.5537

80.5421, 92.8425,
93.6912

■ 39.3257, 72.9463,
30.6965

■ 90.8594, 97.9301,
104.6203

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.



59.2658, 78.8322, 36.0738



51.8829, 78.8322, 57.8290



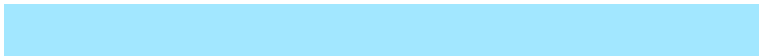
50.2773, 78.8322, 95.8046

Triad

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



51.8829, 78.8322, 57.8290



78.3324, 78.8322, 193.5460



99.8323, 78.8322, 45.9606

Complementary

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



51.8829, 78.8322, 57.8290



56.9041, 37.8917, 52.4590

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.



106.5492, 78.8322, 76.5819



51.8829, 78.8322, 57.8290



93.1309, 78.8322, 168.0297

Square

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



51.8829, 78.8322, 57.8290



64.3752, 78.8322, 183.5162



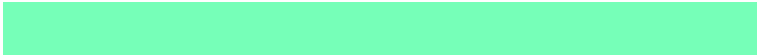
103.9494, 78.8322, 121.6764



86.5744, 78.8322, 30.9477

Rectangle

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



51.8829, 78.8322, 57.8290



52.4820, 78.8322, 127.6820



103.9494, 78.8322, 121.6764



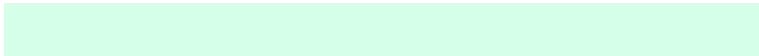
103.0038, 78.8322, 54.3042

Sweetspot

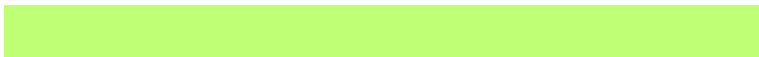
The Sweet Spot groups the original color and five complimentary colors.



51.8836, 78.8325, 57.8303



78.3805, 91.7785, 91.3172



60.5331, 83.9132, 30.1468



16.3706, 19.4446, 19.0936



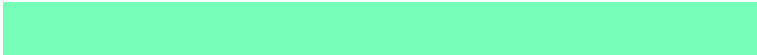
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.8836, 78.8325, 57.8303



47.4495, 76.7033, 50.5447



60.5550, 82.3011, 103.4933



18.1361, 20.3140, 21.0197



20.6231, 38.1458, 16.4324



2.0629, 3.7361, 1.8889

Inverse Universe

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



56.9041, 37.8917, 52.4590



52.9237, 32.0292, 44.6630



51.2670, 35.6368, 22.7744



18.4025, 18.1443, 20.7366



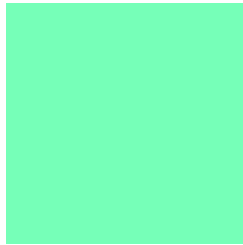
23.8064, 12.0118, 12.8967



2.3732, 1.1916, 1.5466

Previews

White Background



This preview shows how the XYZ color 51.8829, 78.8322, 57.8290 looks on a white background.

Color Contrast Check

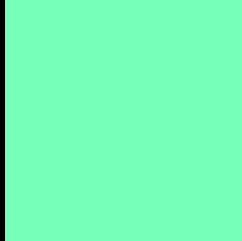
Large Text (above 18pt) WCAG AA × Fail

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 51.8829, 78.8322, 57.8290 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 51.8829, 78.8322, 57.8290

Background



This preview shows how black text looks on a background with the XYZ color 51.8829, 78.8322, 57.8290.

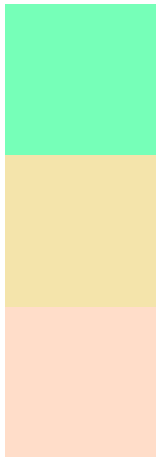


This preview shows how white text looks on a background with the XYZ color 51.8829, 78.8322,

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

51.8829, 78.8322, 57.8290

Protanopia

72.4023, 77.6602, 49.7020

Deuteranopia

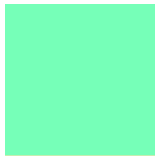
77.6391, 77.1899, 66.0655



Tritanopia

65.7877, 78.0862, 106.2125

Trichromacy



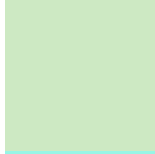
Original Color

51.8829, 78.8322, 57.8290



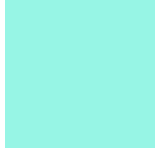
Protanomaly

61.6997, 76.2894, 52.5477



Deuteranomaly

64.1661, 75.1971, 62.7623



Tritanomaly

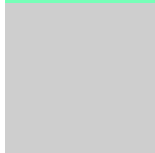
59.5578, 77.5413, 85.9567

Monochromacy



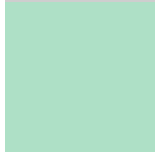
Original Color

51.8829, 78.8322, 57.8290



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.3043, 66.3872, 63.3780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8829, 78.8322, 57.8290 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(118, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 184)  
}
```

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(118, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 51.8829, 78.8322, 57.8290 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(118, 255, 184) }
```


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

```
.border{ border-color:rgb(118, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8829, 78.8322, 57.8290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 184) }
```

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

```
.background{ background-color: rgb(118,  
255, 184) }
```

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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