

Converting Colors

XYZ(63.4472, 96.3558, 70.8143)

Have a look what the booklet for
XYZ(63.4472, 96.3558, 70.8143)
contains.

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Color

**XYZ(55.5085, 80.4829,
67.8675)**

Conversions

Conversions Part 1

Format	Color
Hex	82FFC9
RGB	130, 255, 201
RGB Percent	51%, 100%, 79%
CMY	0.4902, 0.0000, 0.2118
CMYK	0.49, 0.00, 0.21, 0.00
HSL	154°, 100%, 75%
HSV	154°, 49%, 100%
XYZ	55.5085, 80.4829, 67.8675
YIQ	211.4690, -57.1660, -43.2940

Conversions

Conversions Part 2

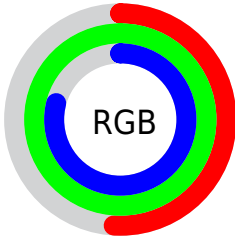
Format	Color
RYB	130, 210, 255
Decimal	8585161
CIELab	91.90, -47.15, 15.19
CIELCh	92, 49.542, 162.141
Yxy	80.4829, 0.2723, 0.3948
Android (android.graphics.Color)	4286775241 (0xFF82FFC9)
YUV	211.4690, -5.1612, -71.4483
Hunter-Lab	89.7123, -46.5515, 17.9456

Details

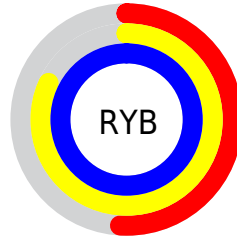
The XYZ color **55.5085, 80.4829, 67.8675** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **57.8748, 40.6867, 50.1507**, and the grayscale version is **62.2872, 65.5310, 71.3633**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **27.8444, 43.7237, 34.5757** is the 20% darker color. If you saturate the color by 10%, you get **50.8202, 78.2103, 61.1250**, and if you desaturate by 10%, it is **61.2602, 83.2928, 75.1476**.

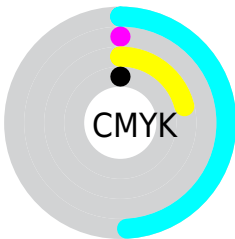
Distribution



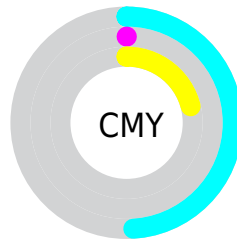
- Red (51%)
- Green (100%)
- Blue (79%)



- Red (51%)
- Yellow (82%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5085, 80.4829, 67.8675 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 55.5085, 80.4829, 67.8675 by changing the saturation by 10% instead.


 55.5085, 80.4829,
67.8675


 55.5085, 80.4829,
67.8675


397.9417,
496.5588, 471.6117


 40.0444, 60.1158,
49.3239


 97.4296, 134.0445,
117.8150

 27.7576, 43.5120,
34.5091


 124.6173,
168.0077, 150.0560

 18.2825, 30.2870,
23.0045


 156.4436,
207.2718, 187.6999

 11.2539, 20.0566,
14.3915

193.2739,
252.2211, 231.1652

 6.3064, 12.4362,
8.2516

235.4735,
303.2401, 280.8705

 3.0747, 7.0415,
4.1663

283.4078,

 1.1934, 3.4880,

360.7131, 337.2344

1.7170

337.4421,
425.0245, 400.6752

0.1011, 1.3915,
0.3723

0.0000, 0.2105,
0.0000

55.5085, 80.4829,
67.8675

55.5085, 80.4829,
67.8675

50.8202, 78.2103,
61.1250

61.2602, 83.2928,
75.1476

47.1184, 76.4359,
54.9024

68.1405, 86.6736,
82.9742

44.3184, 75.1160,
49.1867

76.2118, 90.6572,
91.3610

42.3196, 74.1992,
43.9624

85.5310, 95.2728,
100.3200

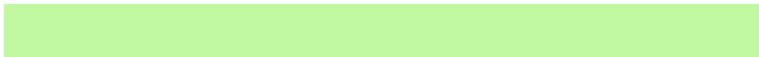
■ 40.9737, 73.6091, 95.0500, 100.0000,
39.2113 108.9000

■ 40.8587, 73.5595,
38.7692

Harmonies

Analogous

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



61.2392, 80.4829, 45.2962



55.5085, 80.4829, 67.8675



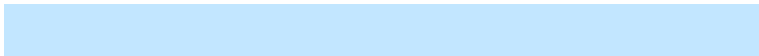
55.0004, 80.4829, 103.1963

Triad

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



55.5085, 80.4829, 67.8675



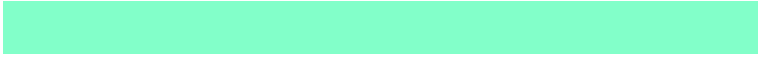
81.7538, 80.4829, 175.4412



96.0921, 80.4829, 48.5520

Complementary

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



55.5085, 80.4829, 67.8675



57.8748, 40.6867, 50.1507

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.



102.9703, 80.4829, 73.7174



55.5085, 80.4829, 67.8675



94.0985, 80.4829, 150.4695

Square

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



55.5085, 80.4829, 67.8675



69.2420, 80.4829, 172.5854



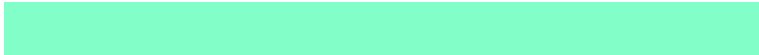
102.2027, 80.4829, 110.9038



84.2410, 80.4829, 36.4593

Rectangle

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



55.5085, 80.4829, 67.8675



57.6085, 80.4829, 130.4032



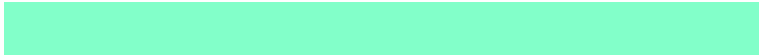
102.2027, 80.4829, 110.9038



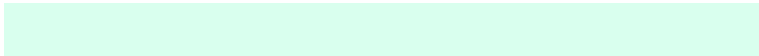
99.1186, 80.4829, 55.4144

Sweetspot

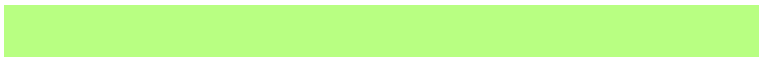
The Sweet Spot groups the original color and five complimentary colors.



55.5092, 80.4832, 67.8689



79.8037, 92.4345, 94.8918



59.5969, 83.3429, 34.0657



16.6725, 19.5825, 19.9118



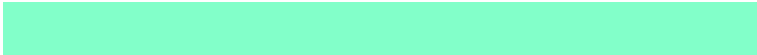
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.5092, 80.4832, 67.8689



50.8280, 78.2141, 61.1370



60.4153, 78.2840, 106.5338



18.2039, 20.3411, 21.3766



21.4259, 38.4669, 20.6598



2.1410, 3.7673, 2.3003

Inverse Universe

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



57.8748, 40.6867, 50.1507



53.4584, 34.1567, 41.5794



54.4062, 41.1453, 26.1943



18.3352, 18.1174, 20.3821



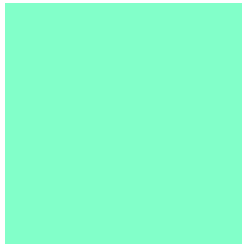
23.0954, 11.7275, 9.1530



2.3023, 1.1633, 1.1731

Previews

White Background



This preview shows how the XYZ color 55.5085, 80.4829, 67.8675 looks on a white background.

Color Contrast Check

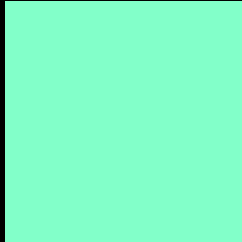
Large Text (above 18pt) WCAG AA × Fail

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 55.5085, 80.4829, 67.8675 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

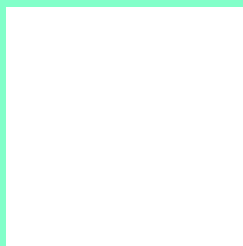
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.5085, 80.4829, 67.8675

Background



This preview shows how black text looks on a background with the XYZ color 55.5085, 80.4829, 67.8675.



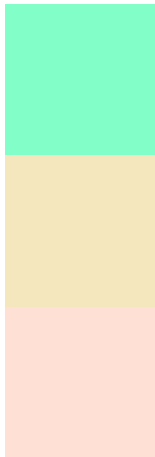
This preview shows how white text looks on a background with the XYZ color 55.5085, 80.4829, 67.8675.

67.8675.

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

55.5085, 80.4829, 67.8675

Protanopia

74.7903, 79.5008, 59.5474

Deuteranopia

79.9059, 79.3754, 74.0603



Tritanopia

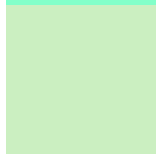
68.3277, 79.8339, 106.4160

Trichromacy



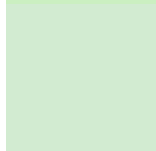
Original Color

55.5085, 80.4829, 67.8675



Protanomaly

65.1207, 78.2798, 62.1294



Deuteranomaly

67.7953, 77.7217, 71.7502



Tritanomaly

62.8515, 79.5911, 90.6473

Monochromacy



Original Color

55.5085, 80.4829, 67.8675



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.0230, 69.3882, 69.3666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5085, 80.4829, 67.8675 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(130, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 201)  
}
```

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(130, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 55.5085, 80.4829, 67.8675 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(130, 255, 201) }
```


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

```
.border{ border-color:rgb(130, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5085, 80.4829, 67.8675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 201) }
```

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

```
.background{ background-color: rgb(130,  
255, 201) }
```

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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