

Converting Colors

XYZ(65.7048, 100.0000,
80.2967)

Have a look what the booklet for
XYZ(65.7048, 100.0000, 80.2967)
contains.

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Color

**XYZ(55.9109, 80.4912,
76.8795)**

Conversions

Conversions Part 1

Format	Color
Hex	79FFD7
RGB	121, 255, 215
RGB Percent	47%, 100%, 84%
CMY	0.5255, 0.0000, 0.1569
CMYK	0.53, 0.00, 0.16, 0.00
HSL	162°, 100%, 74%
HSV	162°, 53%, 100%
XYZ	55.9109, 80.4912, 76.8795
YIQ	210.3740, -67.0240, -40.8480

Conversions

Conversions Part 2

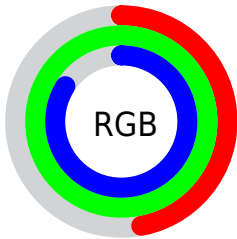
Format	Color
RYB	121, 200, 255
Decimal	7995351
CIELab	91.90, -46.16, 7.95
CIElCh	92, 46.842, 170.229
Yxy	80.4912, 0.2621, 0.3774
Android (android.graphics.Color)	4286185431 (0xFF79FFD7)
YUV	210.3740, 2.2806, -78.3810
Hunter-Lab	89.7169, -45.7647, 11.9955

Details

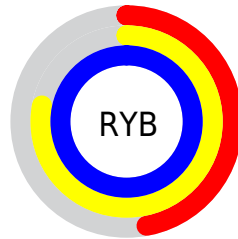
The XYZ color **55.9109, 80.4912, 76.8795** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.5111, 37.5091, 38.0863**, and the grayscale version is **61.5216, 64.7256, 70.4861**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **28.1148, 43.7385, 40.2183** is the 20% darker color. If you saturate the color by 10%, you get **51.8421, 78.5041, 71.7023**, and if you desaturate by 10%, it is **60.9712, 82.9842, 82.3434**.

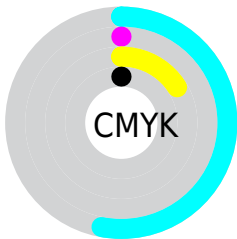
Distribution



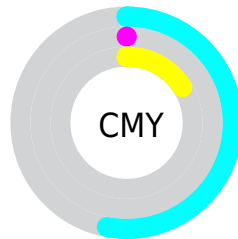
- Red (47%)
- Green (100%)
- Blue (84%)



- Red (47%)
- Yellow (78%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9109, 80.4912, 76.8795 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 55.9109, 80.4912, 76.8795 by changing the saturation by 10% instead.


 55.9109, 80.4912,
76.8795


 55.9109, 80.4912,
76.8795


399.4361,
496.5867, 503.7798


 40.3682, 60.1226,
56.6430


 98.0149, 134.0561,
130.7408

 28.0112, 43.5175,
40.3112


 125.3068,
168.0213, 165.2027

 18.4746, 30.2914,
27.4657


 157.2460,
207.2874, 205.2436

 11.3930, 20.0598,
17.6877

194.1976,
252.2389, 251.2818

 6.4011, 12.4386,
10.5589

236.5270,
303.2602, 303.7360

 3.1334, 7.0431,
5.6607

284.5997,

 1.2247, 3.4891,

360.7357, 363.0247

2.5744

338.7809,
425.0497, 429.5665

■ 0.1257, 1.3921,
0.8792

■ 0.0000, 0.2109,
0.0000

■ 55.9109, 80.4912,
76.8795

■ 55.9109, 80.4912,
76.8795

■ 51.8421, 78.5041,
71.7023

■ 60.9712, 82.9842,
82.3434

■ 48.6855, 76.9820,
66.8009

■ 67.0889, 86.0170,
88.0961

■ 46.3534, 75.8799,
62.1692

■ 74.3270, 89.6220,
94.1451

■ 44.7387, 75.1425,
57.7989

■ 82.7429, 93.8287,
100.4960

■ 43.8847, 74.7699,
54.7043

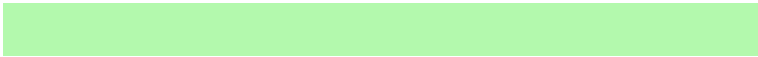
■ 92.3898, 98.6645,
107.1542

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.



60.0779, 80.4912, 51.7468



55.9109, 80.4912, 76.8795



56.8003, 80.4912, 112.5818

Triad

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



55.9109, 80.4912, 76.8795



84.7785, 80.4912, 165.5885



92.2649, 80.4912, 45.9713

Complementary

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



55.9109, 80.4912, 76.8795



54.5111, 37.5091, 38.0863

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.



100.3080, 80.4912, 66.6863



55.9109, 80.4912, 76.8795



95.6816, 80.4912, 137.1782

Square

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



55.9109, 80.4912, 76.8795



72.6482, 80.4912, 170.4074



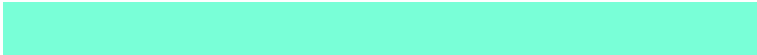
101.6199, 80.4912, 99.3631



80.4948, 80.4912, 37.2508

Rectangle

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



55.9109, 80.4912, 76.8795



60.1790, 80.4912, 137.7250



101.6199, 80.4912, 99.3631



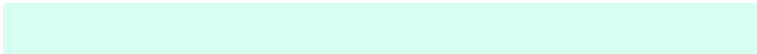
95.5439, 80.4912, 51.4622

Sweetspot

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



55.9118, 80.4917, 76.8809



79.7006, 92.3065, 98.2687



53.9504, 80.4988, 30.7849



16.6857, 19.5707, 20.7530



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

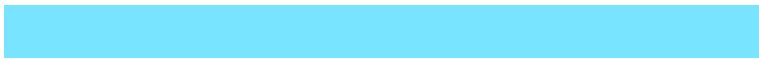
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.9118, 80.4917, 76.8809



51.6801, 78.4255, 71.4745



53.7345, 66.8827, 104.6853



18.3103, 20.3836, 21.9369



22.9997, 39.0965, 28.9475



2.2876, 3.8260, 3.0724

Inverse Universe

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



54.5111, 37.5091, 38.0863



50.1793, 31.2900, 29.1060



55.2506, 43.7588, 23.6249



18.2325, 18.0763, 19.8414



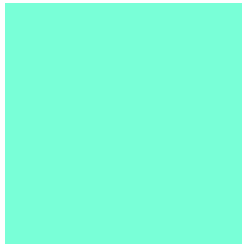
22.2895, 11.4051, 4.9091



2.2159, 1.1287, 0.7185

Previews

White Background



This preview shows how the XYZ color 55.9109, 80.4912, 76.8795 looks on a white background.

Color Contrast Check

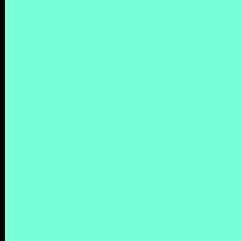
Large Text (above 18pt) WCAG AA × Fail

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 55.9109, 80.4912, 76.8795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

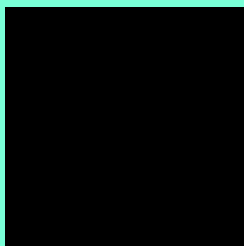
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

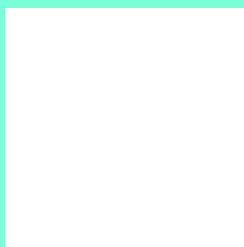
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.9109, 80.4912, 76.8795

Background



This preview shows how black text looks on a background with the XYZ color 55.9109, 80.4912, 76.8795.

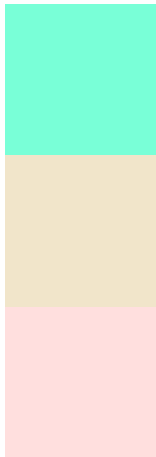


This preview shows how white text looks on a background with the XYZ color 55.9109, 80.4912,

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

55.9109, 80.4912, 76.8795

Protanopia

74.9556, 79.0037, 67.1758

Deuteranopia

80.8125, 79.3093, 80.1562



Tritanopia

67.9336, 80.0714, 106.4826

Trichromacy



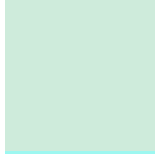
Original Color

55.9109, 80.4912, 76.8795



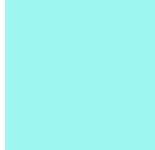
Protanomaly

64.8630, 77.5244, 70.5765



Deuteranomaly

67.9481, 77.6529, 78.4251



Tritanomaly

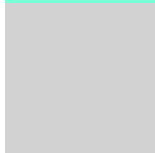
62.8936, 79.9809, 94.5611

Monochromacy



Original Color

55.9109, 80.4912, 76.8795



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.4401, 68.6112, 72.5032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9109, 80.4912, 76.8795 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(121, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 215)  
}
```

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(121, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 55.9109, 80.4912, 76.8795 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(121, 255, 215) }
```


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

```
.border{ border-color:rgb(121, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9109, 80.4912, 76.8795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 215) }
```

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

```
.background{ background-color: rgb(121,  
255, 215) }
```

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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