

Converting Colors

XYZ(55.6931, 80.3721, 77.2366)

Have a look what the booklet for
XYZ(55.6931, 80.3721, 77.2366)
contains.

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Color

**XYZ(55.7624, 80.3998,
77.5455)**

Conversions

Conversions Part 1

Format	Color
Hex	77FFD8
RGB	119, 255, 216
RGB Percent	47%, 100%, 85%
CMY	0.5333, 0.0000, 0.1529
CMYK	0.53, 0.00, 0.15, 0.00
HSL	163°, 100%, 73%
HSV	163°, 53%, 100%
XYZ	55.7624, 80.3998, 77.5455
YIQ	209.8900, -68.5370, -40.9610

Conversions

Conversions Part 2

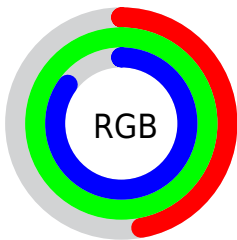
Format	Color
RYB	119, 198, 255
Decimal	7864280
CIELab	91.86, -46.36, 7.37
CIELCh	92, 46.940, 170.971
Yxy	80.3998, 0.2609, 0.3762
Android (android.graphics.Color)	4286054360 (0xFF77FFD8)
YUV	209.8900, 3.0122, -79.7105
Hunter-Lab	89.6659, -45.9079, 11.4906

Details

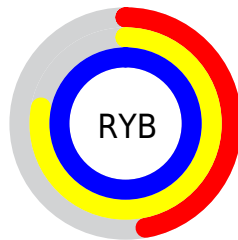
The XYZ color **55.7624, 80.3998, 77.5455** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.0091, 36.9233, 36.6290**, and the grayscale version is **61.1997, 64.3869, 70.1173**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **27.9923, 43.6652, 40.6711** is the 20% darker color. If you saturate the color by 10%, you get **51.7956, 78.4616, 72.5351**, and if you desaturate by 10%, it is **60.7116, 82.8395, 82.8243**.

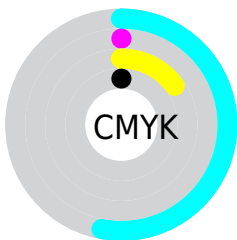
Distribution



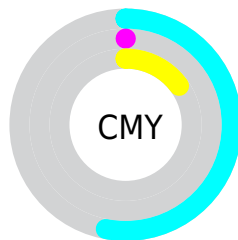
- Red (47%)
- Green (100%)
- Blue (85%)



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



- Cyan (53%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7624, 80.3998, 77.5455 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 55.7624, 80.3998, 77.5455 by changing the saturation by 10% instead.


 55.7624, 80.3998,
77.5455


 55.7624, 80.3998,
77.5455


398.8850,
496.2792, 506.1089

 40.2487, 60.0474,
57.1865


 97.7989, 133.9277,
131.6893

 27.9176, 43.4568,
40.7446


 125.0525,
167.8720, 166.3111

 18.4037, 30.2437,
27.8014


 156.9500,
207.1157, 206.5242

 11.3416, 20.0237,
17.9383

193.8569,
252.0432, 252.7472

 6.3661, 12.4122,
10.7367

236.1385,
303.0389, 305.3987

 3.1117, 7.0251,
5.7781

284.1601,

 1.2131, 3.4778,

360.4872, 364.8971

2.6440

338.2872,
424.7725, 431.6610

0.1167, 1.3860,
0.9151

0.0000, 0.2064,
0.0000

55.7624, 80.3998,
77.5455

55.7624, 80.3998,
77.5455

51.7956, 78.4616,
72.5351

60.7116, 82.8395,
82.8243

48.7313, 76.9839,
67.7824

66.7096, 85.8150,
88.3732

46.4805, 75.9209,
63.2817

73.8198, 89.3588,
94.1993

44.9344, 75.2165,
59.0250

82.0999, 93.5007,
100.3079

■ 44.1907, 74.8923,
56.3157

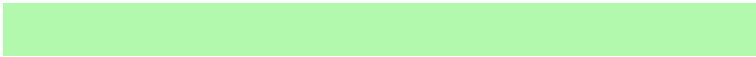
■ 91.6033, 98.2682,
106.7042

95.0500, 100.0000,
108.9000

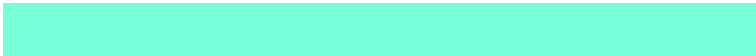
Harmonies

Analogous

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



59.8109, 80.3998, 52.0828



55.7624, 80.3998, 77.5455



56.7787, 80.3998, 113.4729

Triad

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



55.7624, 80.3998, 77.5455



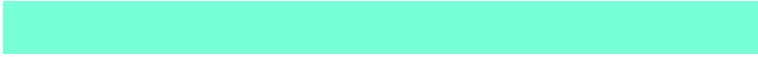
85.0041, 80.3998, 165.1718



91.9389, 80.3998, 45.4849

Complementary

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



55.7624, 80.3998, 77.5455



54.0091, 36.9233, 36.6290

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.



100.1315, 80.3998, 65.8966



55.7624, 80.3998, 77.5455



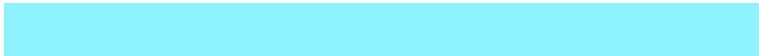
95.8446, 80.3998, 136.2696

Square

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



55.7624, 80.3998, 77.5455



72.8425, 80.3998, 170.6820



101.6312, 80.3998, 98.3621



80.1078, 80.3998, 37.0391

Rectangle

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



55.7624, 80.3998, 77.5455



60.2401, 80.3998, 138.5940



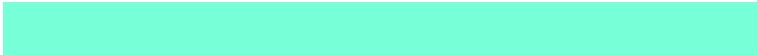
101.6312, 80.3998, 98.3621



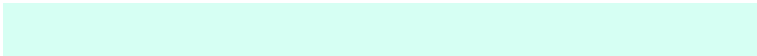
95.2594, 80.3998, 50.8750

Sweetspot

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



55.7633, 80.4002, 77.5469



79.7730, 92.3355, 98.6500



53.5478, 80.3053, 30.1323



16.7031, 19.5776, 20.8444



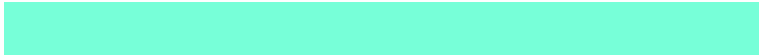
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.7633, 80.4002, 77.5469



51.5636, 78.3490, 72.2095



53.3470, 66.5195, 104.6356



18.3197, 20.3874, 21.9867



23.1583, 39.1599, 29.7827



2.3021, 3.8318, 3.1485

Inverse Universe

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



54.0091, 36.9233, 36.6290



49.6808, 30.7321, 27.5862



54.8803, 43.2125, 22.9024



18.2235, 18.0727, 19.7943



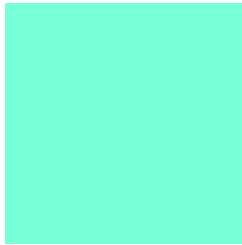
22.2346, 11.3831, 4.6199



2.2096, 1.1262, 0.6853

Previews

White Background



This preview shows how the XYZ color 55.7624, 80.3998, 77.5455 looks on a white background.

Color Contrast Check

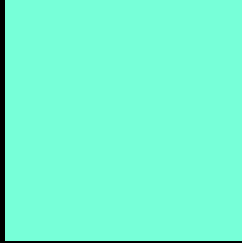
Large Text (above 18pt) WCAG AA × Fail

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 55.7624, 80.3998, 77.5455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

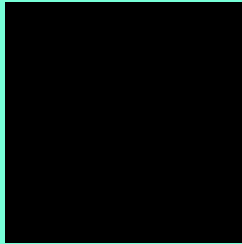
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7624, 80.3998, 77.5455

Background



This preview shows how black text looks on a background with the XYZ color 55.7624, 80.3998, 77.5455.

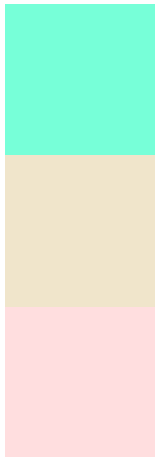


This preview shows how white text looks on a background with the XYZ color 55.7624, 80.3998,

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

55.7624, 80.3998, 77.5455

Protanopia

74.7340, 78.8757, 67.7855

Deuteranopia

80.6806, 78.8303, 80.7755



Tritanopia

67.9336, 80.0714, 106.4826

Trichromacy



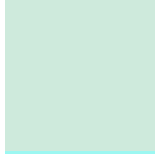
Original Color

55.7624, 80.3998, 77.5455



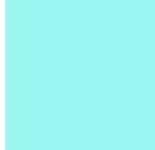
Protanomaly

64.7247, 77.4389, 71.2104



Deuteranomaly

67.7947, 77.1348, 79.0255



Tritanomaly

62.8482, 79.9403, 95.3367

Monochromacy



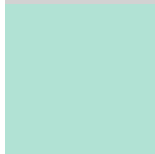
Original Color

55.7624, 80.3998, 77.5455



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.2115, 68.4933, 72.4925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7624, 80.3998, 77.5455 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(119, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 216)  
}
```

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(119, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 55.7624, 80.3998, 77.5455 is called "border". The border property can be set on classes, ids or directly on the HTML element.

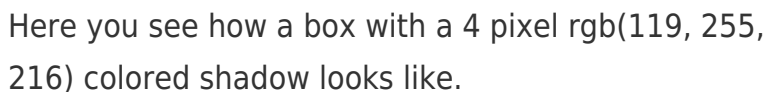
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 255, 216) }
```


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

```
.border{ border-color:rgb(119, 255, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 255, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 255, 216); box-shadow:4px 4px 4px 4px rgb(119, 255, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7624, 80.3998, 77.5455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 216) }
```

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

```
.background{ background-color: rgb(119,  
255, 216) }
```

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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