

Converting Colors

XYZ(65.4959, 100.0000,
76.9007)

Have a look what the booklet for
XYZ(65.4959, 100.0000, 76.9007)
contains.

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Color

**XYZ(55.7050, 80.4582,
73.5668)**

Conversions

Conversions Part 1

Format	Color
Hex	7CFFD2
RGB	124, 255, 210
RGB Percent	49%, 100%, 82%
CMY	0.5137, 0.0000, 0.1765
CMYK	0.51, 0.00, 0.18, 0.00
HSL	159°, 100%, 74%
HSV	159°, 51%, 100%
XYZ	55.7050, 80.4582, 73.5668
YIQ	210.7010, -63.6310, -41.7670

Conversions

Conversions Part 2

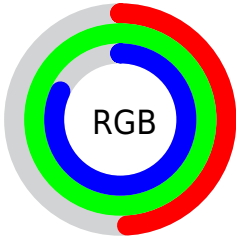
Format	Color
RYB	124, 203, 255
Decimal	8191954
CIELab	91.89, -46.61, 10.52
CIELCh	92, 47.787, 167.282
Yxy	80.4582, 0.2656, 0.3836
Android (android.graphics.Color)	4286382034 (0xFF7CFFD2)
YUV	210.7010, -0.3456, -76.0368
Hunter-Lab	89.6985, -46.1194, 14.1619

Details

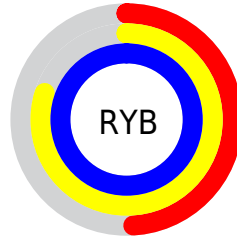
The XYZ color **55.7050, 80.4582, 73.5668** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **55.6097, 38.5408, 42.0450**, and the grayscale version is **61.7520, 64.9679, 70.7501**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **28.0583, 43.7491, 38.4181** is the 20% darker color. If you saturate the color by 10%, you get **51.4227, 78.3733, 67.8254**, and if you desaturate by 10%, it is **61.0013, 83.0589, 79.6702**.

Distribution



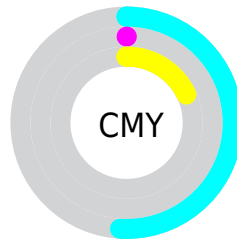
- Red (49%)
- Green (100%)
- Blue (82%)



- Red (49%)
- Yellow (80%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7050, 80.4582, 73.5668 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 55.7050, 80.4582, 73.5668 by changing the saturation by 10% instead.


 55.7050, 80.4582,
73.5668


 55.7050, 80.4582,
73.5668


398.6719,
496.4757, 492.1003


 40.2025, 60.0955,
53.9449


 97.7154, 134.0097,
126.0099

 27.8814, 43.4956,
38.1647


 124.9541,
167.9674, 159.6682

 18.3763, 30.2742,
25.8078


 156.8356,
207.2254, 198.8423

 11.3218, 20.0468,
16.4554

193.7251,
252.1682, 243.9509

 6.3526, 12.4291,
9.6891

235.9882,
303.1803, 295.4125

 3.1033, 7.0366,
5.0904

283.9901,

 1.2086, 3.4850,

360.6460, 353.6455

2.2408

338.0962,
424.9496, 419.0686

■ 0.1132, 1.3899,
0.6977

■ 0.0000, 0.2092,
0.0000

■ 55.7050, 80.4582,
73.5668

■ 55.7050, 80.4582,
73.5668

■ 51.4227, 78.3733,
67.8254

■ 61.0013, 83.0589,
79.6702

■ 48.0760, 76.7638,
62.4334

■ 67.3771, 86.2092,
86.1394

■ 45.5785, 75.5855,
57.3831

■ 74.8952, 89.9412,
92.9835

■ 43.8253, 74.7844,
52.6642

■ 83.6126, 94.2843,
100.2097

■ 42.7727, 74.3251,
48.8483

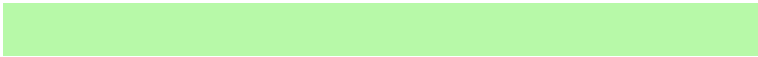
93.5825, 99.2658,
107.8251

95.0500, 100.0000,
108.9000

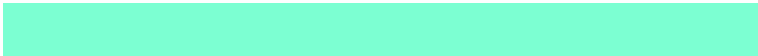
Harmonies

Analogous

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



60.4275, 80.4582, 49.3220



55.7050, 80.4582, 73.5668



56.0994, 80.4582, 109.2327

Triad

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



55.7050, 80.4582, 73.5668



83.6926, 80.4582, 169.1792



93.6064, 80.4582, 46.7745

Complementary

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



55.7050, 80.4582, 73.5668



55.6097, 38.5408, 42.0450

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.



101.2641, 80.4582, 69.0395



55.7050, 80.4582, 73.5668



95.1340, 80.4582, 141.8525

Square

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



55.7050, 80.4582, 73.5668



71.3998, 80.4582, 171.3468



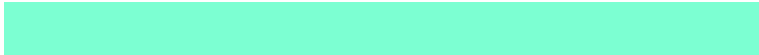
101.8513, 80.4582, 103.3249



81.7812, 80.4582, 36.8712

Rectangle

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



55.7050, 80.4582, 73.5668



59.2076, 80.4582, 135.1967



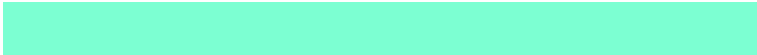
101.8513, 80.4582, 103.3249



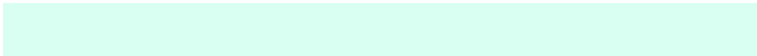
96.8057, 80.4582, 52.7421

Sweetspot

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



55.7058, 80.4586, 73.5682



80.3071, 92.6359, 97.5428



55.9440, 81.5049, 31.8534



16.7940, 19.6311, 20.5516



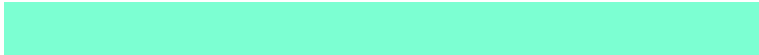
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.7058, 80.4586, 73.5682



51.1855, 78.2585, 67.4761



56.1715, 71.1229, 105.3753



18.2742, 20.3692, 21.7469



22.4226, 38.8656, 25.9084



2.2346, 3.8048, 2.7932

Inverse Universe

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



55.6097, 38.5408, 42.0450



51.1083, 32.0321, 32.8560



54.7991, 42.5569, 24.3960



18.2669, 18.0901, 20.0226



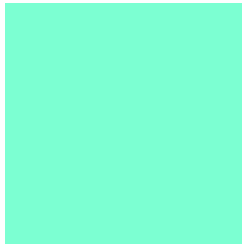
22.5232, 11.4986, 6.1396



2.2420, 1.1392, 0.8556

Previews

White Background



This preview shows how the XYZ color 55.7050, 80.4582, 73.5668 looks on a white background.

Color Contrast Check

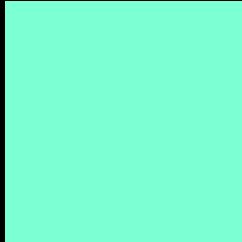
Large Text (above 18pt) WCAG AA × Fail

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 55.7050, 80.4582, 73.5668 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

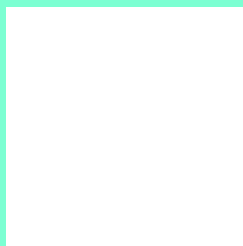
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.7050, 80.4582, 73.5668

Background



This preview shows how black text looks on a background with the XYZ color 55.7050, 80.4582, 73.5668.

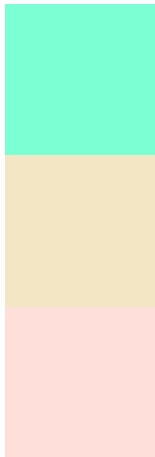


This preview shows how white text looks on a background with the XYZ color 55.7050, 80.4582,

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

55.7050, 80.4582, 73.5668

Protanopia

74.9928, 79.5021, 64.2162

Deuteranopia

80.2826, 79.0973, 77.3656



Tritanopia

67.8654, 79.5956, 106.3943

Trichromacy



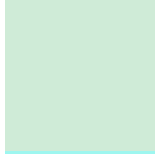
Original Color

55.7050, 80.4582, 73.5668



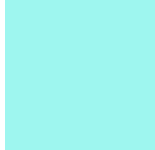
Protanomaly

65.0804, 78.1394, 67.5294



Deuteranomaly

67.7062, 77.5884, 75.6975



Tritanomaly

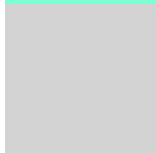
62.6363, 79.4126, 93.6882

Monochromacy



Original Color

55.7050, 80.4582, 73.5668



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.8174, 69.2250, 71.9425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7050, 80.4582, 73.5668 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(124, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 210)  
}
```

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(124, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 55.7050, 80.4582, 73.5668 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(124, 255, 210) }
```


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

```
.border{ border-color:rgb(124, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7050, 80.4582, 73.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 210) }
```

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

```
.background{ background-color: rgb(124,  
255, 210) }
```

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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