

Converting Colors

XYZ(55.7354, 80.0011, 80.4007)

Have a look what the booklet for
XYZ(55.7354, 80.0011, 80.4007)
contains.

XYZ(55.5625, 79.7639, 80.1777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.5625, 79.7639,
80.1777)**

Conversions

Conversions Part 1

Format	Color
Hex	74FEDC
RGB	116, 254, 220
RGB Percent	45%, 100%, 86%
CMY	0.5451, 0.0039, 0.1372
CMYK	0.54, 0.00, 0.13, 0.00
HSL	165°, 99%, 73%
HSV	165°, 54%, 100%
XYZ	55.5625, 79.7639, 80.1777
YIQ	208.8620, -71.3340, -39.8300

Conversions

Conversions Part 2

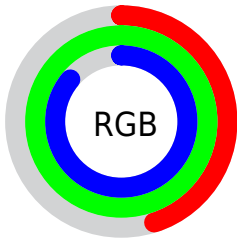
Format	Color
R _Y B	116, 195, 254
Decimal	7667420
CIE Lab	91.58, -45.63, 4.88
CIE LCh	92, 45.890, 173.900
Yxy	79.7639, 0.2578, 0.3701
Android (android.graphics.Color)	4285857500 (0xFF74FEDC)
YUV	208.8620, 5.4910, -81.4400
Hunter-Lab	89.3106, -45.2441, 9.2905

Details

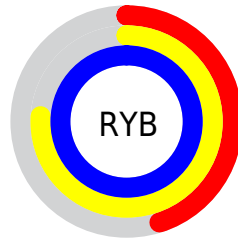
The XYZ color **55.5625, 79.7639, 80.1777** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.6261, 35.7657, 32.9867**, and the grayscale version is **60.5150, 63.6665, 69.3328**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **27.8845, 43.2300, 42.4719** is the 20% darker color. If you saturate the color by 10%, you get **51.8235, 77.9323, 75.7578**, and if you desaturate by 10%, it is **60.2599, 82.0899, 84.8080**.

Distribution



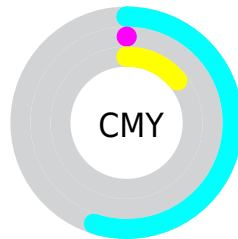
- Red (45%)
- Green (100%)
- Blue (86%)



- Red (45%)
- Yellow (76%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (55%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5625, 79.7639, 80.1777 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 55.5625, 79.7639, 80.1777 by changing the saturation by 10% instead.


 55.5625, 79.7639,
80.1777

 55.5625, 79.7639,
80.1777


398.1425,
494.1368, 515.2540


 40.0879, 59.5241,
59.3376


 97.5081, 133.0337,
135.4292

 27.7916, 43.0352,
42.4631


 124.7099,
166.8325, 170.6776

 18.3083, 29.9127,
29.1358


 156.5514,
205.9198, 211.5659

 11.2726, 19.7723,
18.9371

193.3980,
250.6799, 258.5126

 6.3191, 12.2297,
11.4485

235.6150,
301.4973, 311.9362

 3.0826, 6.9003,
6.2514

283.5679,

 1.1976, 3.3998,

358.7563, 372.2553

2.9273

337.6219,
422.8413, 439.8884

■ 0.1045, 1.3439,
1.0576

■ 0.0000, 0.1748,
0.0000

■ 55.5625, 79.7639,
80.1777

■ 55.5625, 79.7639,
80.1777

■ 51.8235, 77.9323,
75.7578

■ 60.2599, 82.0899,
84.8080

■ 48.9585, 76.5459,
71.5373

■ 65.9777, 84.9364,
89.6480

■ 46.8799, 75.5612,
67.5121

■ 72.7806, 88.3385,
94.7042

■ 45.4773, 74.9216,
63.6752

■ 80.7259, 92.3259,
99.9810

■ 44.8934, 74.6664,
61.5784

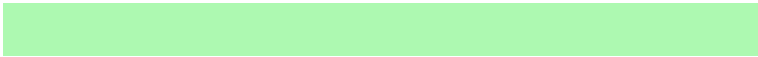
■ 89.8666, 96.9258,
105.4825

94.7332, 99.3663,
108.7944

Harmonies

Analogous

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



59.0422, 79.7639, 54.1360



55.5625, 79.7639, 80.1777



57.0406, 79.7639, 115.6706

Triad

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



55.5625, 79.7639, 80.1777



85.3027, 79.7639, 160.1198



89.8633, 79.7639, 44.4829

Complementary

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



55.5625, 79.7639, 80.1777



52.6261, 35.7657, 32.9867

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.



98.3095, 79.7639, 63.2635



55.5625, 79.7639, 80.1777



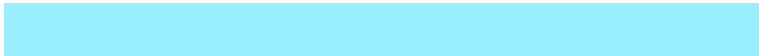
95.4926, 79.7639, 130.6358

Square

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



55.5625, 79.7639, 80.1777



73.4464, 79.7639, 168.0077



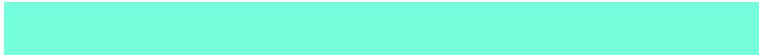
100.4686, 79.7639, 93.8812



78.2303, 79.7639, 37.2277

Rectangle

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



55.5625, 79.7639, 80.1777



60.7238, 79.7639, 139.6538



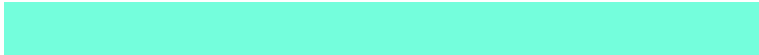
100.4686, 79.7639, 93.8812



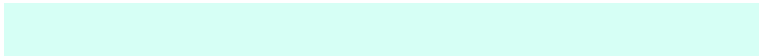
93.2156, 79.7639, 49.3810

Sweetspot

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



55.5647, 79.7670, 80.1796



80.0233, 92.4356, 99.9681



51.2665, 78.6794, 29.0090



16.7631, 19.6016, 21.1604



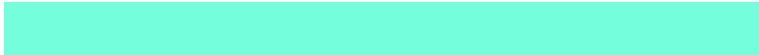
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.5647, 79.7670, 80.1796



52.0619, 78.5195, 76.1375



50.5564, 61.7959, 103.0327



18.3523, 20.4005, 22.1583



23.7291, 39.3883, 32.7886



2.3537, 3.8524, 3.4204

Inverse Universe

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



52.6261, 35.7657, 32.9867



48.8685, 30.0606, 24.3773



55.0143, 44.3067, 22.1768



18.1929, 18.0605, 19.6329



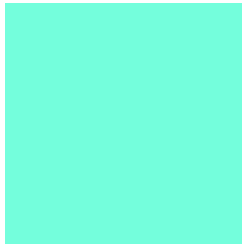
22.0644, 11.3150, 3.7234



2.1895, 1.1182, 0.5793

Previews

White Background



This preview shows how the XYZ color 55.5625, 79.7639, 80.1777 looks on a white background.

Color Contrast Check

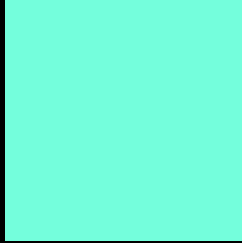
Large Text (above 18pt) WCAG AA × Fail

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 55.5625, 79.7639, 80.1777 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 55.5625, 79.7639, 80.1777

Background



This preview shows how black text looks on a background with the XYZ color 55.5625, 79.7639, 80.1777.



This preview shows how white text looks on a background with the XYZ color 55.5625, 79.7639,

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

55.5625, 79.7639, 80.1777

Protanopia

74.4806, 78.2938, 69.5792

Deuteranopia

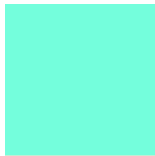
80.1313, 78.4841, 83.5986



Tritanopia

66.7389, 79.0148, 106.3416

Trichromacy



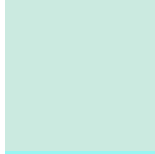
Original Color

55.5625, 79.7639, 80.1777



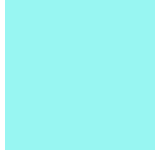
Protanomaly

64.2902, 76.7409, 73.0520



Deuteranomaly

67.5060, 76.9240, 81.8109



Tritanomaly

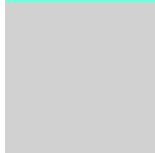
61.9317, 78.9977, 95.9883

Monochromacy



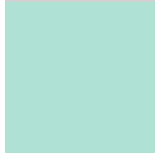
Original Color

55.5625, 79.7639, 80.1777



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

56.6147, 67.7685, 73.0475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5625, 79.7639, 80.1777 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(116, 254, 220)` looks like.

```
.text, #text, p{  
    color:rgb(116, 254, 220)  
}
```

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(116, 254, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 254, 220) }
```

Border

The CSS property to change the border of an element to XYZ 55.5625, 79.7639, 80.1777 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(116, 254, 220) }
```


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

```
.border{ border-color:rgb(116, 254, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 254, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 254, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 254, 220);  
box-shadow:4px 4px 4px 4px rgb(116, 254,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5625, 79.7639, 80.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 254, 220) }
```

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

```
.background{ background-color: rgb(116,  
254, 220) }
```

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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