

Converting Colors

XYZ(55.0000, 79.8490, 84.6383)

Have a look what the booklet for
XYZ(55.0000, 79.8490, 84.6383)
contains.

XYZ(54.9670, 79.8358, 84.4643)	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(54.9670, 79.8358,
84.4643)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFE2
RGB	102, 255, 226
RGB Percent	40%, 100%, 89%
CMY	0.6000, 0.0000, 0.1137
CMYK	0.60, 0.00, 0.11, 0.00
HSL	169°, 100%, 70%
HSV	169°, 60%, 100%
XYZ	54.9670, 79.8358, 84.4643
YIQ	205.9470, -81.8790, -41.4550

Conversions

Conversions Part 2

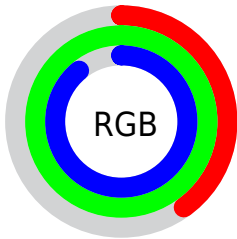
Format	Color
RYB	102, 187, 255
Decimal	6750178
CIELab	91.61, -47.27, 1.77
CIELCh	92, 47.301, 177.856
Yxy	79.8358, 0.2507, 0.3641
Android (android.graphics.Color)	4284940258 (0xFF66FFE2)
YUV	205.9470, 9.8861, -91.1615
Hunter-Lab	89.3509, -46.5542, 6.4982

Details

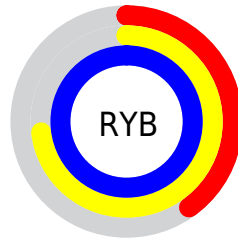
The XYZ color **54.9670, 79.8358, 84.4643** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.0890, 32.4028, 25.0887**, and the grayscale version is **58.6093, 61.6615, 67.1494**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **27.3295, 42.8792, 45.3642** is the 20% darker color. If you saturate the color by 10%, you get **51.8545, 78.3068, 80.9062**, and if you desaturate by 10%, it is **58.9885, 81.8312, 88.1653**.

Distribution



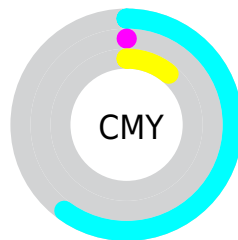
- Red (40%)
- Green (100%)
- Blue (89%)



- Red (40%)
- Yellow (73%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9670, 79.8358, 84.4643 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 54.9670, 79.8358, 84.4643 by changing the saturation by 10% instead.


 54.9670, 79.8358,
84.4643


 54.9670, 79.8358,
84.4643


395.9253,
494.3793, 529.9521


 39.6090, 59.5832,
62.8512


 96.6412, 133.1349,
141.4920

 27.4167, 43.0828,
45.2806


 123.6882,
166.9501, 177.7437

 18.0246, 29.9501,
31.3340


 155.3622,
206.0551, 219.7120

 11.0675, 19.8007,
20.5927

192.0286,
250.8342, 267.8155

 6.1799, 12.2503,
12.6383

234.0527,
301.6717, 322.4728

 2.9965, 6.9144,
7.0522

281.8000,

 1.1519, 3.4086,

358.9522, 384.1022

3.4158

335.6357,
423.0599, 453.1225

■ 0.0679, 1.3486,
1.3107

■ 0.0000, 0.1784,
0.0705

■ 54.9670, 79.8358,
84.4643

■ 54.9670, 79.8358,
84.4643

■ 51.8545, 78.3068,
80.9062

■ 58.9885, 81.8312,
88.1653

■ 49.5637, 77.1992,
77.4821

■ 63.9902, 84.3298,
92.0091

■ 47.9945, 76.4616,
74.1877

■ 70.0393, 87.3661,
96.0012

■ 46.9821, 76.0089,
71.0146

■ 77.1962, 90.9713,
100.1450

■ 46.9819, 76.0088,
71.0138

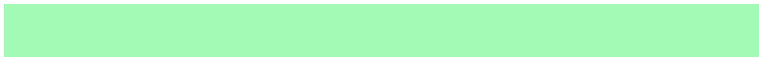
■ 85.5166, 95.1741,
104.4439

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.



57.8738, 79.8358, 56.1359



54.9670, 79.8358, 84.4643



57.1519, 79.8358, 121.8404

Triad

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



54.9670, 79.8358, 84.4643



87.2537, 79.8358, 159.9528



88.9149, 79.8358, 41.9114

Complementary

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



54.9670, 79.8358, 84.4643



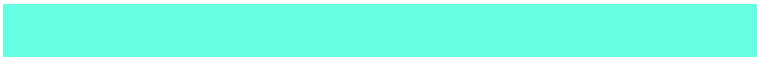
50.0890, 32.4028, 25.0887

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.



98.3121, 79.8358, 59.4160



54.9670, 79.8358, 84.4643



97.2837, 79.8358, 127.3154

Square

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



54.9670, 79.8358, 84.4643



75.0165, 79.8358, 171.7291



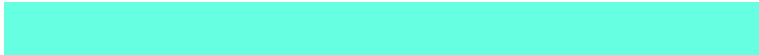
101.5241, 79.8358, 89.4384



76.7532, 79.8358, 35.9782

Rectangle

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



54.9670, 79.8358, 84.4643



61.3463, 79.8358, 146.1292



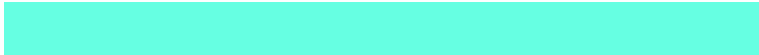
101.5241, 79.8358, 89.4384



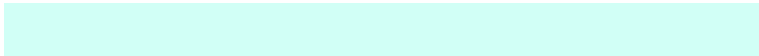
92.5485, 79.8358, 46.3630

Sweetspot

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



54.9679, 79.8362, 84.4657



78.7635, 91.7622, 100.9912



47.7692, 77.4339, 25.0006



16.3732, 19.3960, 21.3528



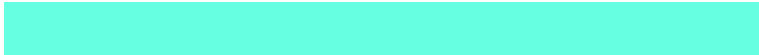
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



54.9679, 79.8362, 84.4657



51.3329, 78.0527, 80.2099



46.3557, 55.6961, 102.9150



18.3985, 20.4189, 22.4015



24.6018, 39.7373, 37.3842



2.4317, 3.8836, 3.8311

Inverse Universe

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



50.0890, 32.4028, 25.0887



46.1307, 26.8623, 16.4436



54.2135, 43.3693, 18.0858



18.1500, 18.0433, 19.4071



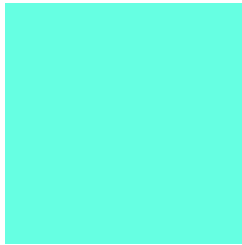
21.8710, 11.2377, 2.7054



2.1650, 1.1084, 0.4503

Previews

White Background



This preview shows how the XYZ color 54.9670, 79.8358, 84.4643 looks on a white background.

Color Contrast Check

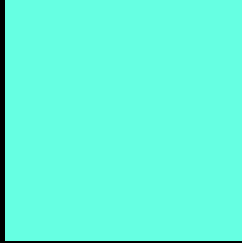
Large Text (above 18pt) WCAG AA × Fail

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 54.9670, 79.8358, 84.4643 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 54.9670, 79.8358, 84.4643

Background



This preview shows how black text looks on a background with the XYZ color 54.9670, 79.8358, 84.4643.

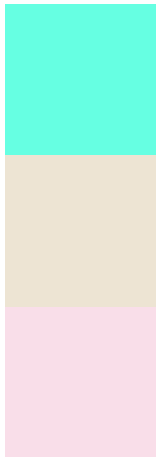


This preview shows how white text looks on a background with the XYZ color 54.9670, 79.8358, 84.4643.

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

54.9670, 79.8358, 84.4643

Protanopia

74.4263, 78.1945, 72.7984

Deuteranopia

79.8962, 78.2655, 87.9866



Tritanopia

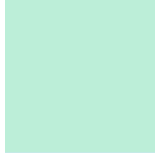
66.3797, 79.2703, 106.4099

Trichromacy



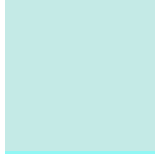
Original Color

54.9670, 79.8358, 84.4643



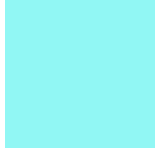
Protanomaly

63.7082, 76.7983, 76.4315



Deuteranomaly

66.4707, 76.2946, 86.0859



Tritanomaly

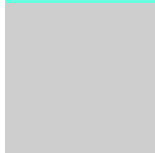
61.2670, 79.0729, 97.6214

Monochromacy



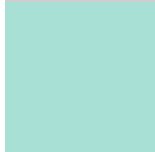
Original Color

54.9670, 79.8358, 84.4643



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.8143, 66.4402, 72.8860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9670, 79.8358, 84.4643 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(102, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 226)  
}
```

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(102, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 54.9670, 79.8358, 84.4643 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(102, 255, 226) }
```


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

```
.border{ border-color:rgb(102, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9670, 79.8358, 84.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 226) }
```

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

```
.background{ background-color: rgb(102,  
255, 226) }
```

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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