

Converting Colors

XYZ(54.9163, 79.9104, 79.9116)

Have a look what the booklet for
XYZ(54.9163, 79.9104, 79.9116)
contains.

XYZ(54.9849, 79.9385, 80.2418)	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(54.9849, 79.9385,
80.2418)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFFDC
RGB	109, 255, 220
RGB Percent	43%, 100%, 86%
CMY	0.5725, 0.0000, 0.1372
CMYK	0.57, 0.00, 0.14, 0.00
HSL	166°, 100%, 71%
HSV	166°, 57%, 100%
XYZ	54.9849, 79.9385, 80.2418
YIQ	207.3560, -75.7810, -41.8370

Conversions

Conversions Part 2

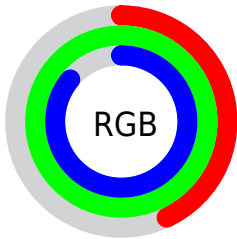
Format	Color
RYB	109, 192, 255
Decimal	7208924
CIELab	91.66, -47.42, 4.96
CIELCh	92, 47.681, 174.025
Yxy	79.9385, 0.2555, 0.3715
Android (android.graphics.Color)	4285399004 (0xFF6DFFDC)
YUV	207.3560, 6.2335, -86.2582
Hunter-Lab	89.4083, -46.6895, 9.3745

Details

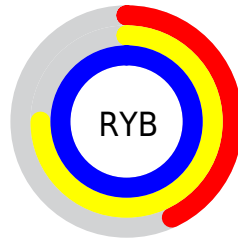
The XYZ color **54.9849, 79.9385, 80.2418** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.7434, 34.2120, 30.2631**, and the grayscale version is **59.5341, 62.6346, 68.2090**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **27.3229, 42.9404, 42.4456** is the 20% darker color. If you saturate the color by 10%, you get **51.4954, 78.2314, 75.9302**, and if you desaturate by 10%, it is **59.4154, 82.1272, 84.7548**.

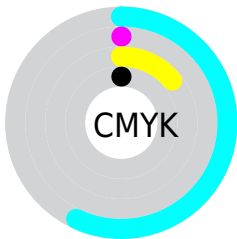
Distribution



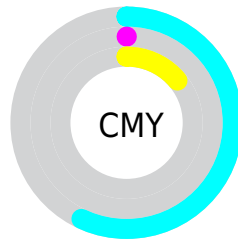
- Red (43%)
- Green (100%)
- Blue (86%)



- Red (43%)
- Yellow (75%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9849, 79.9385, 80.2418 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 54.9849, 79.9385, 80.2418 by changing the saturation by 10% instead.


 54.9849, 79.9385,
80.2418


 54.9849, 79.9385,
80.2418


395.9920,
494.7256, 515.4756


 39.6234, 59.6677,
59.3900


 96.6673, 133.2793,
135.5201

 27.4280, 43.1509,
42.5051


 123.7189,
167.1181, 170.7837

 18.0331, 30.0035,
29.1685


 155.3979,
206.2483, 211.6883

 11.0736, 19.8413,
18.9616

192.0698,
251.0545, 258.6525

 6.1840, 12.2797,
11.4660

234.0997,
301.9209, 312.0948

 2.9990, 6.9345,
6.2631

281.8532,

 1.1532, 3.4212,

359.2319, 372.4337

2.9344

335.6955,
423.3720, 440.0878

■ 0.0690, 1.3554,
1.0612

■ 0.0000, 0.1835,
0.0000

■ 54.9849, 79.9385,
80.2418

■ 54.9849, 79.9385,
80.2418

■ 51.4954, 78.2314,
75.9302

■ 59.4154, 82.1272,
84.7548

■ 48.8628, 76.9627,
71.8102

■ 64.8560, 84.8332,
89.4698

■ 46.9923, 76.0836,
67.8772

■ 71.3723, 88.0903,
94.3929

■ 45.7604, 75.5303,
64.1237

■ 79.0234, 91.9288,
99.5284

■ 45.4832, 75.4093,
63.1214

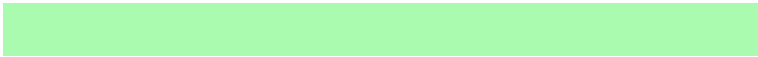
■ 87.8642, 96.3771,
104.8805

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.



58.5578, 79.9385, 53.2835



54.9849, 79.9385, 80.2418



56.5320, 79.9385, 117.3033

Triad

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



54.9849, 79.9385, 80.2418



85.9189, 79.9385, 163.8028



90.5846, 79.9385, 43.2597

Complementary

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



54.9849, 79.9385, 80.2418



51.7434, 34.2120, 30.2631

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.



99.4415, 79.9385, 62.4875



54.9849, 79.9385, 80.2418



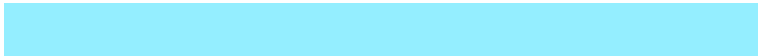
96.5527, 79.9385, 132.6872

Square

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



54.9849, 79.9385, 80.2418



73.5670, 79.9385, 172.2455



101.7343, 79.9385, 94.2105



78.4435, 79.9385, 35.9204

Rectangle

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



54.9849, 79.9385, 80.2418



60.3522, 79.9385, 142.4718



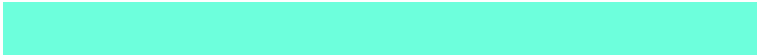
101.7343, 79.9385, 94.2105



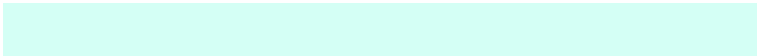
94.0946, 79.9385, 48.2508

Sweetspot

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



54.9858, 79.9389, 80.2432



79.2322, 92.0337, 99.6612



50.2866, 78.6898, 27.0076



16.6086, 19.5230, 21.1068



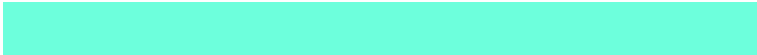
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



54.9858, 79.9389, 80.2432



50.9762, 77.9794, 75.1967



49.5588, 60.8747, 103.7457



18.3577, 20.4026, 22.1867



23.8274, 39.4275, 33.3059



2.3625, 3.8559, 3.4669

Inverse Universe

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



51.7434, 34.2120, 30.2631



47.5048, 28.2453, 21.1109



54.2031, 42.7693, 19.8678



18.1878, 18.0584, 19.6063



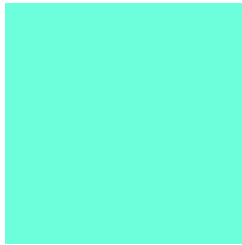
22.0389, 11.3049, 3.5894



2.1864, 1.1169, 0.5629

Previews

White Background



This preview shows how the XYZ color 54.9849, 79.9385, 80.2418 looks on a white background.

Color Contrast Check

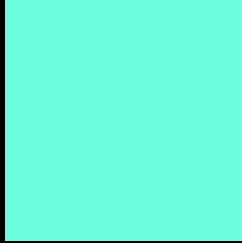
Large Text (above 18pt) WCAG AA × Fail

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 54.9849, 79.9385, 80.2418 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 54.9849, 79.9385, 80.2418

Background



This preview shows how black text looks on a background with the XYZ color 54.9849, 79.9385, 80.2418.



This preview shows how white text looks on a background with the XYZ color 54.9849, 79.9385,

Color Blindness Simulation

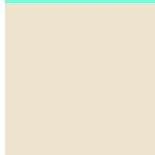
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



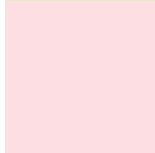
Original Color

54.9849, 79.9385, 80.2418



Protanopia

74.7565, 78.8456, 69.6711



Deuteranopia

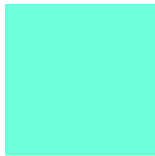
80.1313, 78.4841, 83.5986



Tritanopia

66.8154, 79.4949, 106.4303

Trichromacy



Original Color

54.9849, 79.9385, 80.2418



Protanomaly

64.0706, 77.0587, 73.1249



Deuteranomaly

66.6968, 76.5068, 81.7730



Tritanomaly

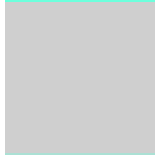
61.6822, 79.3219, 96.0641

Monochromacy



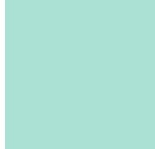
Original Color

54.9849, 79.9385, 80.2418



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.3339, 66.7227, 72.2497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9849, 79.9385, 80.2418 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(109, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 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(109, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 54.9849, 79.9385, 80.2418 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(109, 255, 220) }
```


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

```
.border{ border-color:rgb(109, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9849, 79.9385, 80.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 220) }
```

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

```
.background{ background-color: rgb(109,  
255, 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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