

Converting Colors

XYZ(54.7776, 80.0219, 71.6335)

Have a look what the booklet for
XYZ(54.7776, 80.0219, 71.6335)
contains.

XYZ(54.7682, 80.0181, 71.5899)	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(54.7682, 80.0181,
71.5899)**

Conversions

Conversions Part 1

Format	Color
Hex	78FFCF
RGB	120, 255, 207
RGB Percent	47%, 100%, 81%
CMY	0.5294, 0.0000, 0.1882
CMYK	0.53, 0.00, 0.19, 0.00
HSL	159°, 100%, 74%
HSV	159°, 53%, 100%
XYZ	54.7682, 80.0181, 71.5899
YIQ	209.1630, -65.0520, -43.5480

Conversions

Conversions Part 2

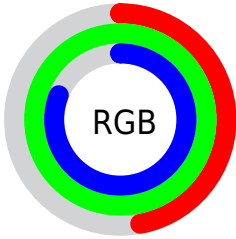
Format	Color
RYB	120, 202, 255
Decimal	7929807
CIELab	91.69, -48.12, 11.77
CIElCh	92, 49.541, 166.260
Yxy	80.0181, 0.2654, 0.3877
Android (android.graphics.Color)	4286119887 (0xFF78FFCF)
YUV	209.1630, -1.0664, -78.1960
Hunter-Lab	89.4528, -47.2544, 15.1667

Details

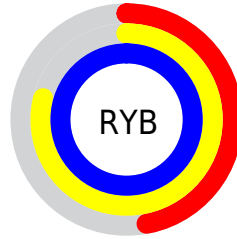
The XYZ color **54.7682, 80.0181, 71.5899** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **55.0249, 37.5210, 41.3887**, and the grayscale version is **60.7480, 63.9116, 69.5998**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **27.2373, 43.0167, 37.0045** is the 20% darker color. If you saturate the color by 10%, you get **50.6135, 78.0006, 65.7751**, and if you desaturate by 10%, it is **59.9295, 82.5470, 77.7868**.

Distribution



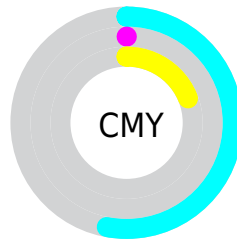
- Red (47%)
- Green (100%)
- Blue (81%)



- Red (47%)
- Yellow (79%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7682, 80.0181, 71.5899 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 54.7682, 80.0181, 71.5899 by changing the saturation by 10% instead.


 54.7682, 80.0181,
71.5899


 54.7682, 80.0181,
71.5899


395.1834,
494.9938, 485.0520


 39.4493, 59.7332,
52.3390


 96.3516, 133.3912,
123.1756

 27.2917, 43.2037,
36.8912


 123.3467,
167.2482, 156.3474

 17.9301, 30.0449,
24.8281

 154.9646,
206.3981, 194.9966

 10.9992, 19.8727,
15.7312

191.5707,
251.2252, 239.5417

 6.1336, 12.3025,
9.1819

233.5302,
302.1139, 290.4013

 2.9679, 6.9501,
4.7616

281.2086,

 1.1368, 3.4309,

359.4486, 347.9938

2.0518

334.9712,
423.6138, 412.7379

0.0556, 1.3606,
0.5868

0.0000, 0.1874,
0.0000

54.7682, 80.0181,
71.5899

54.7682, 80.0181,
71.5899

50.6135, 78.0006,
65.7751

59.9295, 82.5470,
77.7868

47.3856, 76.4538,
60.3292

66.1644, 85.6219,
84.3703

44.9956, 75.3318,
55.2436

73.5364, 89.2755,
91.3500

43.3351, 74.5788,
50.5074

82.1035, 93.5374,
98.7337

■ 42.4911, 74.2124,
47.3656

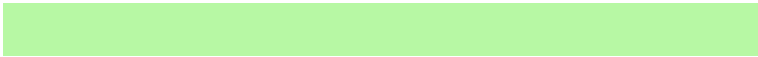
■ 91.9194, 98.4354,
106.5290

95.0500, 100.0000,
108.9000

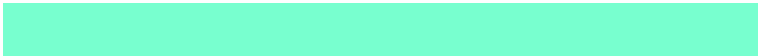
Harmonies

Analogous

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



59.7832, 80.0181, 47.2573



54.7682, 80.0181, 71.5899



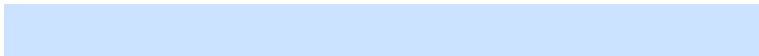
54.9913, 80.0181, 108.1485

Triad

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



54.7682, 80.0181, 71.5899



83.0789, 80.0181, 172.6883



94.1634, 80.0181, 45.8290

Complementary

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



54.7682, 80.0181, 71.5899



55.0249, 37.5210, 41.3887

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.



101.9085, 80.0181, 69.0214



54.7682, 80.0181, 71.5899



95.0395, 80.0181, 144.7839

Square

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



54.7682, 80.0181, 71.5899



70.4166, 80.0181, 173.9443



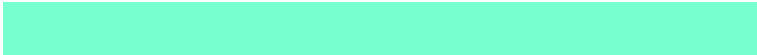
102.2459, 80.0181, 104.7616



81.9862, 80.0181, 35.4233

Rectangle

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



54.7682, 80.0181, 71.5899



58.0610, 80.0181, 135.2254



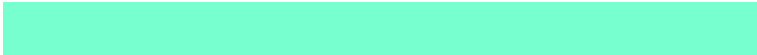
102.2459, 80.0181, 104.7616



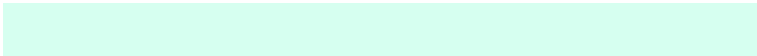
97.4280, 80.0181, 52.0452

Sweetspot

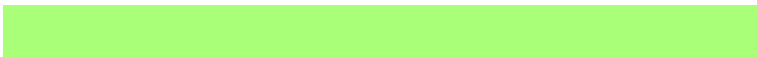
The Sweet Spot groups the original color and five complimentary colors.



54.7690, 80.0184, 71.5913



79.3516, 92.1669, 96.4307



55.6205, 81.3668, 30.5443



16.6022, 19.5373, 20.3132



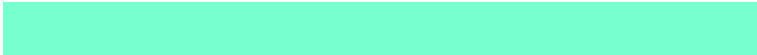
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



54.7690, 80.0184, 71.5913



50.2288, 77.8151, 65.1803



56.0806, 71.7820, 105.5073



18.2646, 20.3654, 21.6962



22.2763, 38.8071, 25.1378



2.2210, 3.7993, 2.7218

Inverse Universe

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



55.0249, 37.5210, 41.3887



50.5408, 31.0761, 32.1151



53.7193, 40.7940, 22.8132



18.2761, 18.0938, 20.0713



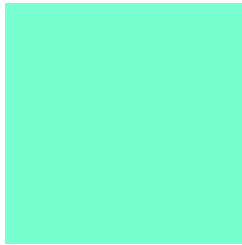
22.5921, 11.5262, 6.5027



2.2495, 1.1422, 0.8951

Previews

White Background



This preview shows how the XYZ color 54.7682, 80.0181, 71.5899 looks on a white background.

Color Contrast Check

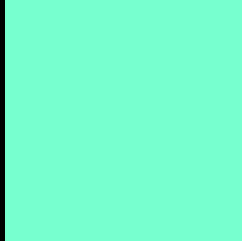
Large Text (above 18pt) WCAG AA × Fail

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 54.7682, 80.0181, 71.5899 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 54.7682, 80.0181, 71.5899

Background



This preview shows how black text looks on a background with the XYZ color 54.7682, 80.0181, 71.5899.



This preview shows how white text looks on a background with the XYZ color 54.7682, 80.0181,

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

54.7682, 80.0181, 71.5899

Protanopia

74.3749, 78.8109, 62.3310

Deuteranopia

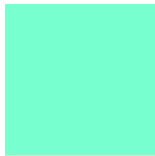
79.7559, 78.4604, 75.9065



Tritanopia

67.1845, 79.2446, 106.3625

Trichromacy



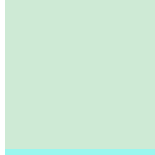
Original Color

54.7682, 80.0181, 71.5899



Protanomaly

64.1720, 77.2784, 65.5668



Deuteranomaly

66.8867, 76.7715, 74.2439



Tritanomaly

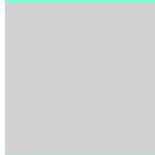
61.9060, 79.0531, 92.8849

Monochromacy



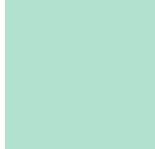
Original Color

54.7682, 80.0181, 71.5899



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

56.7130, 68.2939, 69.8675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7682, 80.0181, 71.5899 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(120, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 207)  
}
```

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(120, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 54.7682, 80.0181, 71.5899 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(120, 255, 207) }
```


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

```
.border{ border-color:rgb(120, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7682, 80.0181, 71.5899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 207) }
```

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

```
.background{ background-color: rgb(120,  
255, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor