

Converting Colors

XYZ(56.3393, 80.8463, 70.8352)

Have a look what the booklet for
XYZ(56.3393, 80.8463, 70.8352)
contains.

XYZ(56.4163, 80.8818, 71.0308)	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(56.4163, 80.8818,
71.0308)**

Conversions

Conversions Part 1

Format	Color
Hex	84FFCE
RGB	132, 255, 206
RGB Percent	52%, 100%, 81%
CMY	0.4823, 0.0000, 0.1921
CMYK	0.48, 0.00, 0.19, 0.00
HSL	156°, 100%, 76%
HSV	156°, 48%, 100%
XYZ	56.4163, 80.8818, 71.0308
YIQ	212.6370, -57.5790, -41.3150

Conversions

Conversions Part 2

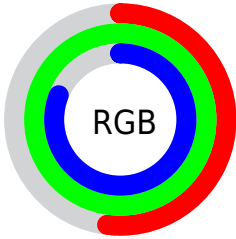
Format	Color
RYB	132, 209, 255
Decimal	8716238
CIELab	92.08, -45.66, 12.89
CIELCh	92, 47.439, 164.238
Yxy	80.8818, 0.2708, 0.3882
Android (android.graphics.Color)	4286906318 (0xFF84FFCE)
YUV	212.6370, -3.2720, -70.7186
Hunter-Lab	89.9343, -45.4110, 16.1263

Details

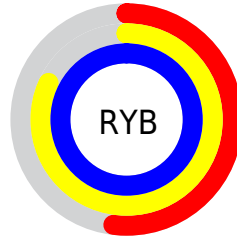
The XYZ color **56.4163, 80.8818, 71.0308** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.8323, 41.0996, 48.6016**, and the grayscale version is **63.0521, 66.3357, 72.2396**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **28.4601, 43.9948, 36.6976** is the 20% darker color. If you saturate the color by 10%, you get **51.7099, 78.5935, 64.5760**, and if you desaturate by 10%, it is **62.1784, 83.7050, 77.9541**.

Distribution



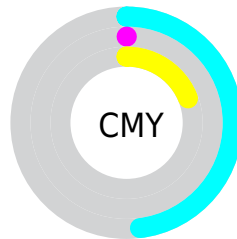
- Red (52%)
- Green (100%)
- Blue (81%)



- Red (52%)
- Yellow (82%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (48%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4163, 80.8818, 71.0308 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 56.4163, 80.8818, 71.0308 by changing the saturation by 10% instead.


 56.4163, 80.8818,
71.0308


 56.4163, 80.8818,
71.0308


401.3081,
497.8996, 483.0477


 40.7751, 60.4443,
51.8853


 98.7493, 134.6048,
122.3724

 28.3303, 43.7768,
36.5321


 126.1718,
168.6590, 155.4057

 18.7165, 30.4951,
24.5525


 158.2521,
208.0209, 193.9053

 11.5684, 20.2147,
15.5280

195.3555,
253.0749, 238.2899

 6.5206, 12.5512,
9.0400

237.8475,
304.2054, 288.9778

 3.2078, 7.1202,
4.6701

286.0934,

 1.2646, 3.5374,

361.7967, 346.3877

1.9997

340.4584,
426.2333, 410.9382

■ 0.1565, 1.4183,
0.5551

■ 0.0000, 0.2302,
0.0000

■ 56.4163, 80.8818,
71.0308

■ 56.4163, 80.8818,
71.0308

■ 51.7099, 78.5935,
64.5760

■ 62.1784, 83.7050,
77.9541

■ 47.9831, 76.8013,
58.5743

■ 69.0605, 87.0962,
85.3525

■ 45.1530, 75.4624,
53.0152

■ 77.1239, 91.0869,
93.2375

■ 43.1207, 74.5261,
47.8858

■ 86.4250, 95.7059,
101.6191

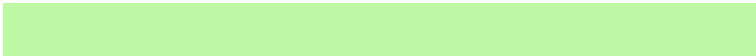
■ 41.7504, 73.9227, 95.0500, 100.0000,
43.1710 108.9000

■ 41.5442, 73.8337,
42.3793

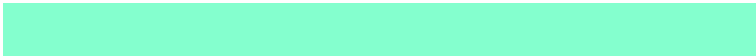
Harmonies

Analogous

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



61.6278, 80.8818, 48.1335



56.4163, 80.8818, 71.0308



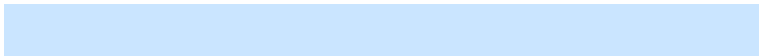
56.2849, 80.8818, 105.6671

Triad

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



56.4163, 80.8818, 71.0308



82.7980, 80.8818, 170.6704



94.9589, 80.8818, 48.9835

Complementary

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



56.4163, 80.8818, 71.0308



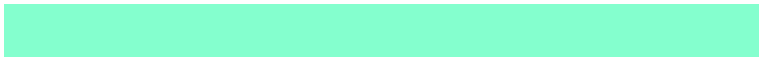
57.8323, 41.0996, 48.6016

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.



101.9602, 80.8818, 72.5377



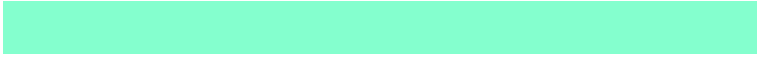
56.4163, 80.8818, 71.0308



94.4516, 80.8818, 145.5776

Square

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



56.4163, 80.8818, 71.0308



70.6712, 80.8818, 169.9521



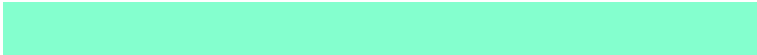
101.7653, 80.8818, 107.6291



83.4332, 80.8818, 37.9000

Rectangle

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



56.4163, 80.8818, 71.0308



59.0491, 80.8818, 131.5888



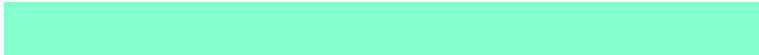
101.7653, 80.8818, 107.6291



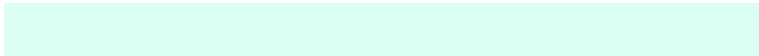
97.9713, 80.8818, 55.3853

Sweetspot

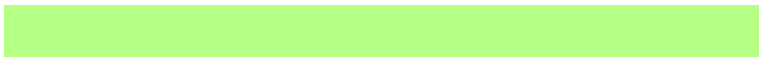
The Sweet Spot groups the original color and five complimentary colors.



56.4170, 80.8821, 71.0322



80.9078, 92.9643, 96.7252



59.0285, 83.0342, 34.7470



16.8989, 19.6904, 20.3204



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.



56.4170, 80.8821, 71.0322



51.8085, 78.6412, 64.7219



59.5272, 76.0477, 106.1490



18.2305, 20.3517, 21.5168



21.7835, 38.6100, 22.5428



2.1749, 3.7809, 2.4790

Inverse Universe

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



57.8323, 41.0996, 48.6016



53.3928, 34.5501, 39.9400



55.4243, 42.9644, 27.2027



18.3091, 18.1070, 20.2450



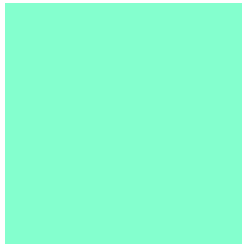
22.8598, 11.6332, 7.9123



2.2779, 1.1535, 1.0449

Previews

White Background



This preview shows how the XYZ color 56.4163, 80.8818, 71.0308 looks on a white background.

Color Contrast Check

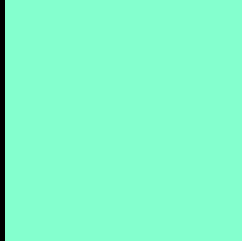
Large Text (above 18pt) WCAG AA × Fail

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 56.4163, 80.8818, 71.0308 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 56.4163, 80.8818, 71.0308

Background



This preview shows how black text looks on a background with the XYZ color 56.4163, 80.8818, 71.0308.

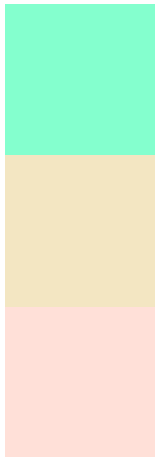


This preview shows how white text looks on a background with the XYZ color 56.4163, 80.8818,

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

56.4163, 80.8818, 71.0308

Protanopia

74.9966, 79.5434, 62.4396

Deuteranopia

80.2903, 79.5292, 76.0847



Tritanopia

68.7967, 80.0757, 106.4379

Trichromacy



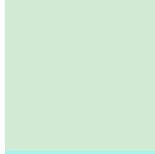
Original Color

56.4163, 80.8818, 71.0308



Protanomaly

65.6881, 78.5067, 65.1173



Deuteranomaly

68.1703, 77.8718, 73.7251



Tritanomaly

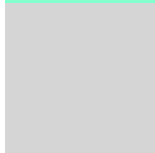
63.5517, 79.9185, 92.1970

Monochromacy



Original Color

56.4163, 80.8818, 71.0308



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.1434, 70.3303, 71.4307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4163, 80.8818, 71.0308 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(132, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 206)  
}
```

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(132, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 56.4163, 80.8818, 71.0308 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(132, 255, 206) }
```


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

```
.border{ border-color:rgb(132, 255, 206) }
```

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

Here you see how a box with a 4 pixel rgb(132, 255, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4163, 80.8818, 71.0308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 206) }
```

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

```
.background{ background-color: rgb(132,  
255, 206) }
```

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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