

Converting Colors

XYZ(66.1058, 100.0000,
84.7168)

Have a look what the booklet for
XYZ(66.1058, 100.0000, 84.7168)
contains.

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Color

**XYZ(56.4160, 80.6455,
81.6999)**

Conversions

Conversions Part 1

Format	Color
Hex	76FFDE
RGB	118, 255, 222
RGB Percent	46%, 100%, 87%
CMY	0.5372, 0.0000, 0.1294
CMYK	0.54, 0.00, 0.13, 0.00
HSL	166°, 100%, 73%
HSV	166°, 54%, 100%
XYZ	56.4160, 80.6455, 81.6999
YIQ	210.2750, -71.0590, -39.3070

Conversions

Conversions Part 2

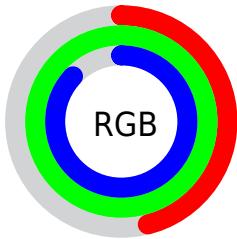
Format	Color
RYB	118, 196, 255
Decimal	7798750
CIELab	91.97, -45.20, 4.42
CIELCh	92, 45.418, 174.413
Yxy	80.6455, 0.2579, 0.3686
Android (android.graphics.Color)	4285988830 (0xFF76FFDE)
YUV	210.2750, 5.7804, -80.9252
Hunter-Lab	89.8028, -45.0176, 8.9217

Details

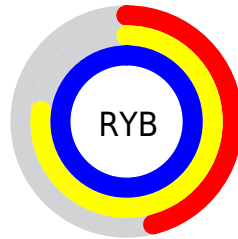
The XYZ color **56.4160, 80.6455, 81.6999** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.3051, 36.4523, 33.5057**, and the grayscale version is **61.4361, 64.6356, 70.3882**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **28.4358, 43.8312, 43.5208** is the 20% darker color. If you saturate the color by 10%, you get **52.6007, 78.7720, 77.3029**, and if you desaturate by 10%, it is **61.1988, 83.0142, 86.3015**.

Distribution



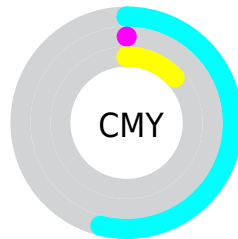
- Red (46%)
- Green (100%)
- Blue (87%)



- Red (46%)
- Yellow (77%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4160, 80.6455, 81.6999 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 56.4160, 80.6455, 81.6999 by changing the saturation by 10% instead.


 56.4160, 80.6455,
81.6999


 56.4160, 80.6455,
81.6999


401.3070,
497.1056, 520.5004


 40.7749, 60.2497,
60.5838


 98.7488, 134.2729,
137.5860

 28.3301, 43.6199,
43.4610


 126.1713,
168.2733, 173.1931

 18.7164, 30.3718,
29.9129


 158.2515,
207.5772, 214.4676

 11.5683, 20.1210,
19.5210

195.3548,
252.5693, 261.8281

 6.5205, 12.4830,
11.8667

237.8467,
303.6337, 315.6930

 3.2078, 7.0735,
6.5316

286.0925,

 1.2646, 3.5081,

361.1550, 376.4811

3.0969

340.4575,
425.5175, 444.6107

■ 0.1564, 1.4024,
1.1443

■ 0.0000, 0.2185,
0.0000

■ 56.4160, 80.6455,
81.6999

■ 56.4160, 80.6455,
81.6999

■ 52.6007, 78.7720,
77.3029

■ 61.1988, 83.0142,
86.3015

■ 49.6727, 77.3525,
73.1009

■ 67.0156, 85.9125,
91.1084

■ 47.5429, 76.3411,
69.0896

■ 73.9297, 89.3730,
96.1264

■ 46.1015, 75.6813,
65.2621

■ 81.9988, 93.4252,
101.3598

■ 45.4503, 75.3961,
62.9484

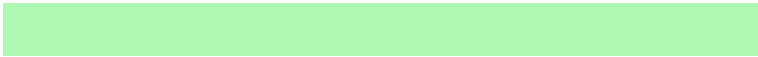
■ 91.2763, 98.0969,
106.8126

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.



59.8116, 80.6455, 55.4677



56.4160, 80.6455, 81.6999



57.9790, 80.6455, 117.1408

Triad

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



56.4160, 80.6455, 81.6999



86.3053, 80.6455, 160.2951



90.4658, 80.6455, 45.2278

Complementary

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



56.4160, 80.6455, 81.6999



53.3051, 36.4523, 33.5057

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.



98.9550, 80.6455, 63.8347



56.4160, 80.6455, 81.6999



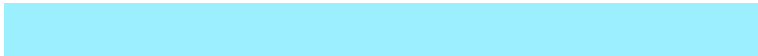
96.3873, 80.6455, 130.7705

Square

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



56.4160, 80.6455, 81.6999



74.4871, 80.6455, 168.5604



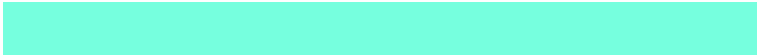
101.2246, 80.6455, 94.2158



78.8566, 80.6455, 38.1200

Rectangle

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



56.4160, 80.6455, 81.6999



61.7129, 80.6455, 140.9023



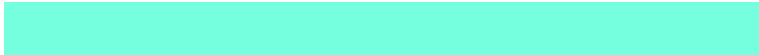
101.2246, 80.6455, 94.2158



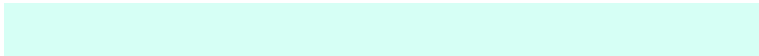
93.8241, 80.6455, 50.0746

Sweetspot

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



56.4169, 80.6459, 81.7013



80.0578, 92.4494, 100.1494



52.0266, 79.5280, 29.7492



16.7713, 19.6049, 21.2039



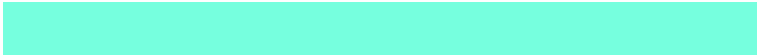
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.4169, 80.6459, 81.7013



52.5083, 78.7269, 77.1842



51.3126, 62.6534, 103.9966



18.3568, 20.4022, 22.1818



23.8104, 39.4207, 33.2164



2.3610, 3.8553, 3.4589

Inverse Universe

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



53.3051, 36.4523, 33.5057



49.1540, 30.5214, 24.8123



55.7797, 45.1069, 22.9075



18.1887, 18.0588, 19.6109



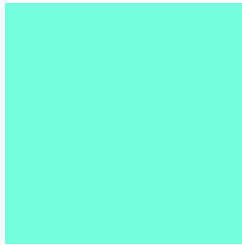
22.0432, 11.3066, 3.6122



2.1869, 1.1171, 0.5657

Previews

White Background



This preview shows how the XYZ color 56.4160, 80.6455, 81.6999 looks on a white background.

Color Contrast Check

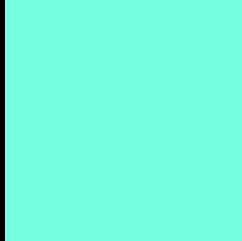
Large Text (above 18pt) WCAG AA × Fail

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 56.4160, 80.6455, 81.6999 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

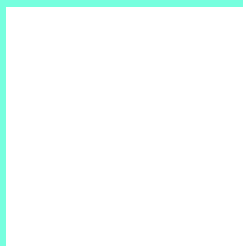
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.4160, 80.6455, 81.6999

Background



This preview shows how black text looks on a background with the XYZ color 56.4160, 80.6455, 81.6999.



This preview shows how white text looks on a background with the XYZ color 56.4160, 80.6455,

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

56.4160, 80.6455, 81.6999

Protanopia

75.6172, 79.6730, 71.0675

Deuteranopia

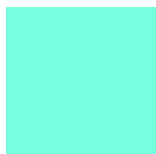
81.0385, 79.3151, 85.1669



Tritanopia

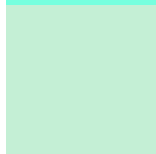
67.9336, 80.0714, 106.4826

Trichromacy



Original Color

56.4160, 80.6455, 81.6999



Protanomaly

65.6417, 78.2729, 74.5993



Deuteranomaly

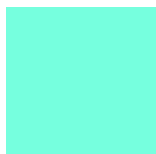
68.3376, 77.7450, 83.3560



Tritanomaly

63.1487, 80.0605, 96.9190

Monochromacy



Original Color

56.4160, 80.6455, 81.6999



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.4654, 68.5949, 73.8297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4160, 80.6455, 81.6999 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(118, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 222)  
}
```

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(118, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 56.4160, 80.6455, 81.6999 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(118, 255, 222) }
```


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

```
.border{ border-color:rgb(118, 255, 222) }
```

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

Here you see how a box with a 4 pixel rgb(118, 255, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4160, 80.6455, 81.6999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 222) }
```

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

```
.background{ background-color: rgb(118,  
255, 222) }
```

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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