

Converting Colors

XYZ(58.4221, 80.1976, 77.4375)

Have a look what the booklet for
XYZ(58.4221, 80.1976, 77.4375)
contains.

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Color

**XYZ(58.5328, 80.4183,
77.4030)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFCD8
RGB	143, 252, 216
RGB Percent	56%, 99%, 85%
CMY	0.4392, 0.0117, 0.1529
CMYK	0.43, 0.00, 0.14, 0.01
HSL	160°, 95%, 77%
HSV	160°, 43%, 99%
XYZ	58.5328, 80.4183, 77.4030
YIQ	215.3050, -53.4080, -34.3040

Conversions

Conversions Part 2

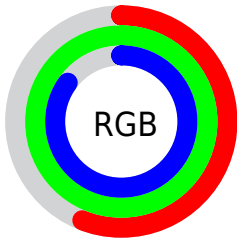
Format	Color
RYB	143, 208, 252
Decimal	9436376
CIELab	91.87, -39.57, 7.49
CIELCh	92, 40.276, 169.282
Yxy	80.4183, 0.2705, 0.3717
Android (android.graphics.Color)	4287626456 (0xFF8FFCD8)
YUV	215.3050, 0.3426, -63.4115
Hunter-Lab	89.6763, -40.4243, 11.5979

Details

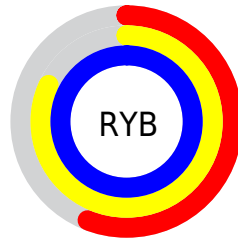
The XYZ color **58.5328, 80.4183, 77.4030** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.1068, 43.5972, 48.0036**, and the grayscale version is **64.8235, 68.1994, 74.2692**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **29.6944, 43.5347, 40.5562** is the 20% darker color. If you saturate the color by 10%, you get **53.6019, 77.9996, 71.6975**, and if you desaturate by 10%, it is **64.5025, 83.3704, 83.4452**.

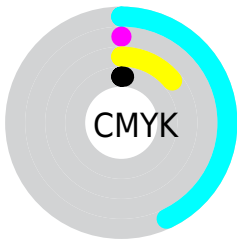
Distribution



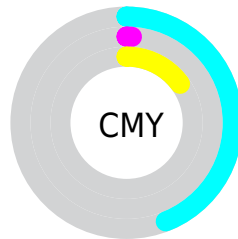
- Red (56%)
- Green (99%)
- Blue (85%)



- Red (56%)
- Yellow (82%)
- Blue (99%)



- Cyan (43%)
- Magenta (0%)
- Yellow (14%)
- Black (1%)





- Cyan (44%)
- Magenta (1%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5328, 80.4183, 77.4030 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 58.5328, 80.4183, 77.4030 by changing the saturation by 10% instead.

 58.5328, 80.4183,
77.4030

 58.5328, 80.4183,
77.4030


409.0903,
496.3414, 505.6111

 42.4821, 60.0626,
57.0702


 101.8168,
133.9537, 131.4864

 29.6717, 43.4691,
40.6518


 129.7809,
167.9022, 166.0740

 19.7364, 30.2534,
27.7295


162.4467,
207.1504, 206.2504

 12.3107, 20.0310,
17.8846

200.1797,
252.0828, 252.4339

 7.0293, 12.4176,
10.6986

243.3452,
303.0837, 305.0432

 3.5270, 7.0287,
5.7529


292.3085,


 1.4382, 3.4801,


360.5375, 364.4968


2.6291


347.4351,
424.8286, 431.2132


 0.2832, 1.3872,
0.9074


 0.0000, 0.2073,
0.0000


 58.5328, 80.4183,
77.4030


 58.5328, 80.4183,
77.4030


 53.6019, 77.9996,
71.6975


 64.5025, 83.3704,
83.4452


 49.6359, 76.0701,
66.3159

 71.5653, 86.8775,
89.8254

 46.5616, 74.5941,
61.2522

 79.7796, 90.9717,
96.5522

 44.2917, 73.5268,
56.4980

 89.1977, 95.6800,
103.6319

■ 42.7205, 72.8138,
52.0438

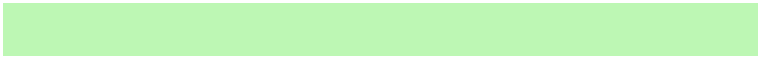
■ 94.1018, 98.1036,
108.5839

■ 41.9515, 72.4795,
49.2011

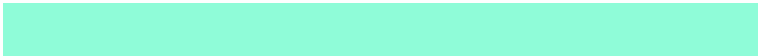
Harmonies

Analogous

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



62.3473, 80.4183, 55.4487



58.5328, 80.4183, 77.4030



59.1777, 80.4183, 107.7219

Triad

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



58.5328, 80.4183, 77.4030



83.1837, 80.4183, 152.9797



90.1383, 80.4183, 51.1360

Complementary

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



58.5328, 80.4183, 77.4030



58.1068, 43.5972, 48.0036

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.



96.7585, 80.4183, 70.0884



58.5328, 80.4183, 77.4030



92.4998, 80.4183, 130.1593

Square

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



58.5328, 80.4183, 77.4030



72.8004, 80.4183, 156.1913



97.6596, 80.4183, 98.5728



80.1890, 80.4183, 42.7179

Rectangle

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



58.5328, 80.4183, 77.4030



62.0684, 80.4183, 128.7422



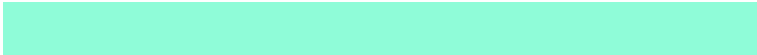
97.6596, 80.4183, 98.5728



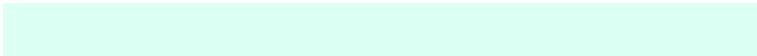
92.8636, 80.4183, 56.2578

Sweetspot

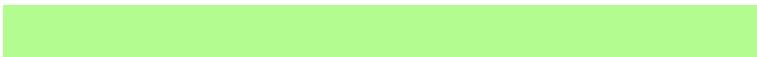
The Sweet Spot groups the original color and five complimentary colors.



58.5350, 80.4215, 77.4048



82.1751, 93.5607, 99.3562



58.4385, 81.2308, 38.5871



17.1662, 19.8149, 20.9326



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

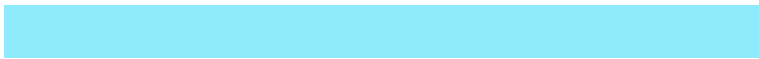
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.5350, 80.4215, 77.4048



55.6261, 80.4002, 74.3484



58.2763, 71.6218, 102.8521



17.5078, 19.5054, 20.8744



21.9232, 37.7823, 26.0024



2.0794, 3.5189, 2.6661

Inverse Universe

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



58.1068, 43.5972, 48.0036



55.1498, 38.0379, 40.6067



57.8794, 48.2289, 32.2466



17.4810, 17.3198, 19.1228



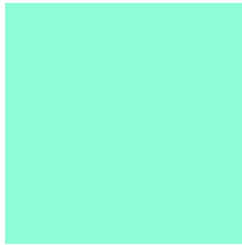
21.7904, 11.1319, 5.6048



2.0650, 1.0497, 0.7656

Previews

White Background



This preview shows how the XYZ color 58.5328, 80.4183, 77.4030 looks on a white background.

Color Contrast Check

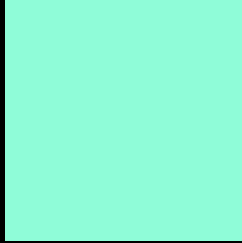
Large Text (above 18pt) WCAG AA × Fail

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 58.5328, 80.4183, 77.4030 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 58.5328, 80.4183, 77.4030

Background



This preview shows how black text looks on a background with the XYZ color 58.5328, 80.4183, 77.4030.

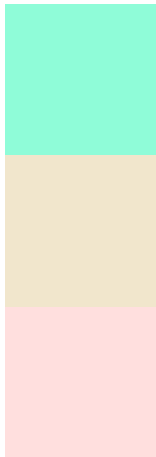


This preview shows how white text looks on a background with the XYZ color 58.5328, 80.4183,

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

58.5328, 80.4183, 77.4030

Protanopia

75.4715, 79.6540, 68.5237

Deuteranopia

80.8125, 79.3093, 80.1562



Tritanopia

68.7967, 80.0757, 106.4379

Trichromacy



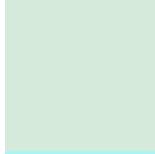
Original Color

58.5328, 80.4183, 77.4030



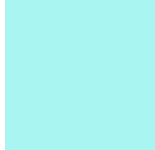
Protanomaly

67.1365, 78.6823, 71.3232



Deuteranomaly

70.0726, 78.3091, 79.1321



Tritanomaly

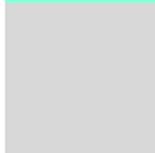
64.6780, 79.9805, 95.2480

Monochromacy



Original Color

58.5328, 80.4183, 77.4030



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.9954, 71.2119, 74.8205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5328, 80.4183, 77.4030 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(143, 252, 216)` looks like.

```
.text, #text, p{  
    color:rgb(143, 252, 216)  
}
```

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(143, 252, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 252, 216) }
```

Border

The CSS property to change the border of an element to XYZ 58.5328, 80.4183, 77.4030 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(143, 252, 216) }
```


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

```
.border{ border-color:rgb(143, 252, 216) }
```

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

Here you see how a box with a 4 pixel rgb(143, 252, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 252, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 252, 216);  
box-shadow:4px 4px 4px 4px rgb(143, 252,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5328, 80.4183, 77.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 252, 216) }
```

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

```
.background{ background-color: rgb(143,  
252, 216) }
```

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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