

Converting Colors

XYZ(58.7876, 80.4002, 79.9849)

Have a look what the booklet for
XYZ(58.7876, 80.4002, 79.9849)
contains.

XYZ(58.8840, 80.5389, 80.1522)	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(58.8840, 80.5389,
80.1522)**

Conversions

Conversions Part 1

Format	Color
Hex	8EFCDC
RGB	142, 252, 220
RGB Percent	56%, 99%, 86%
CMY	0.4431, 0.0117, 0.1372
CMYK	0.44, 0.00, 0.13, 0.01
HSL	163°, 95%, 77%
HSV	163°, 44%, 99%
XYZ	58.8840, 80.5389, 80.1522
YIQ	215.4620, -55.2880, -33.2720

Conversions

Conversions Part 2

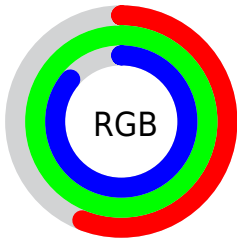
Format	Color
RYB	142, 206, 252
Decimal	9370844
CIELab	91.93, -38.96, 5.49
CIELCh	92, 39.342, 171.972
Yxy	80.5389, 0.2682, 0.3668
Android (android.graphics.Color)	4287560924 (0xFF8EFCDC)
YUV	215.4620, 2.2372, -64.4262
Hunter-Lab	89.7435, -39.9306, 9.8670

Details

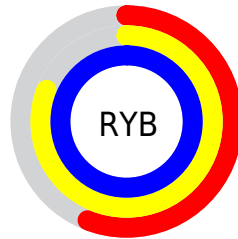
The XYZ color **58.8840, 80.5389, 80.1522** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.4606, 43.0995, 45.3380**, and the grayscale version is **64.9185, 68.2993, 74.3780**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **29.9628, 43.6316, 42.4399** is the 20% darker color. If you saturate the color by 10%, you get **54.0899, 78.1793, 74.9709**, and if you desaturate by 10%, it is **64.7025, 83.4258, 85.6072**.

Distribution



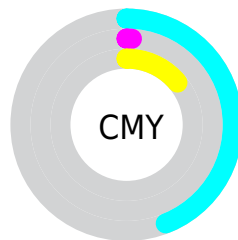
- Red (56%)
- Green (99%)
- Blue (86%)



- Red (56%)
- Yellow (81%)
- Blue (99%)



- Cyan (44%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)





- Cyan (44%)
- Magenta (1%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8840, 80.5389, 80.1522 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 58.8840, 80.5389, 80.1522 by changing the saturation by 10% instead.


 58.8840, 80.5389,
80.1522


 58.8840, 80.5389,
80.1522


410.3729,
496.7471, 515.1659

 42.7658, 60.1619,
59.3167


 102.3246,
134.1231, 135.3930

 29.8951, 43.5492,
42.4464


 130.3778,
168.0992, 170.6354

 19.9066, 30.3162,
29.1228


163.1399,
207.3770, 211.5172

 12.4351, 20.0787,
18.9274

200.9763,
252.3411, 258.4570

 7.1150, 12.4523,
11.4415

244.2525,
303.3757, 311.8731

 3.5811, 7.0525,
6.2468

293.3338,

 1.4680, 3.4950,

360.8653, 372.1843

2.9245

348.5854,
425.1943, 439.8091

■ 0.3039, 1.3953,
1.0562

■ 0.0000, 0.2132,
0.0000

■ 58.8840, 80.5389,
80.1522

■ 58.8840, 80.5389,
80.1522

■ 54.0899, 78.1793,
74.9709

■ 64.7025, 83.4258,
85.6072

■ 50.2462, 76.3027,
70.0519

■ 71.5996, 86.8618,
91.3361

■ 47.2797, 74.8735,
65.3906

■ 79.6337, 90.8788,
97.3459

■ 45.1026, 73.8465,
60.9800

■ 88.8569, 95.5037,
103.6419

■ 43.6086, 73.1670,
56.8120

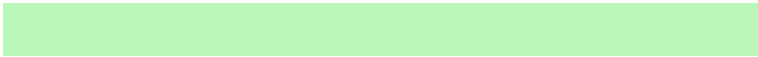
■ 94.1018, 98.1036,
108.5839

■ 42.9171, 72.8657,
54.2856

Harmonies

Analogous

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



62.2477, 80.5389, 57.6966



58.8840, 80.5389, 80.1522



59.9144, 80.5389, 110.1941

Triad

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



58.8840, 80.5389, 80.1522



84.0488, 80.5389, 150.0501



89.1487, 80.5389, 50.7709

Complementary

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



58.8840, 80.5389, 80.1522



57.4606, 43.0995, 45.3380

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.



96.0103, 80.5389, 68.4849



58.8840, 80.5389, 80.1522



92.8902, 80.5389, 126.6159

Square

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



58.8840, 80.5389, 80.1522



73.8693, 80.5389, 155.1056



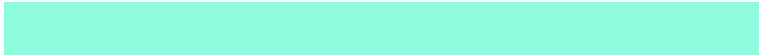
97.4366, 80.5389, 95.6929



79.2944, 80.5389, 43.3421

Rectangle

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



58.8840, 80.5389, 80.1522



62.9992, 80.5389, 130.3990



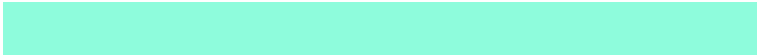
97.4366, 80.5389, 95.6929



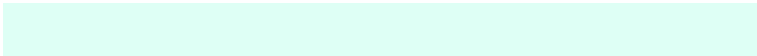
91.9162, 80.5389, 55.5067

Sweetspot

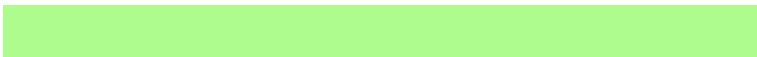
The Sweet Spot groups the original color and five complimentary colors.



58.8863, 80.5421, 80.1541



82.3741, 93.6402, 100.4040



57.3746, 80.6911, 38.1435



17.2155, 19.8346, 21.1925



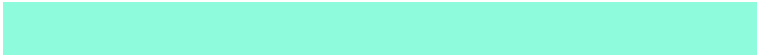
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



58.8863, 80.5421, 80.1541



56.2922, 80.6666, 77.8560



57.0253, 69.3757, 102.4845



17.5380, 19.5175, 21.0334



22.4224, 37.9820, 28.6312



2.1228, 3.5362, 2.8944

Inverse Universe

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



57.4606, 43.0995, 45.3380



54.6798, 37.8499, 38.1315



58.3054, 49.2016, 32.0164



17.4523, 17.3083, 18.9715



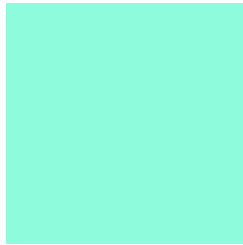
21.5991, 11.0554, 4.5972



2.0444, 1.0415, 0.6572

Previews

White Background



This preview shows how the XYZ color 58.8840, 80.5389, 80.1522 looks on a white background.

Color Contrast Check

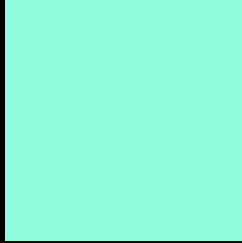
Large Text (above 18pt) WCAG AA × Fail

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 58.8840, 80.5389, 80.1522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

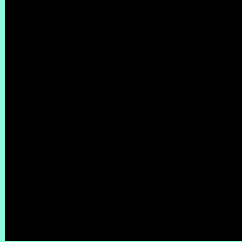
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

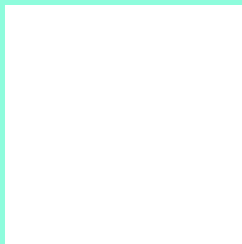
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.8840, 80.5389, 80.1522

Background



This preview shows how black text looks on a background with the XYZ color 58.8840, 80.5389, 80.1522.

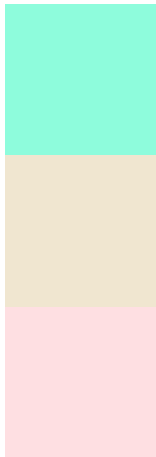


This preview shows how white text looks on a background with the XYZ color 58.8840, 80.5389,

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

58.8840, 80.5389, 80.1522

Protanopia

75.6172, 79.6730, 71.0675

Deuteranopia

80.9882, 79.3372, 82.9966



Tritanopia

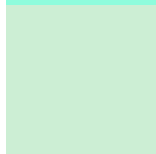
68.7967, 80.0757, 106.4379

Trichromacy



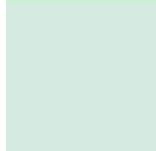
Original Color

58.8840, 80.5389, 80.1522



Protanomaly

67.3600, 78.7399, 73.9354



Deuteranomaly

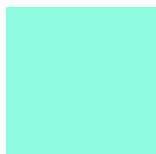
70.3179, 78.3736, 81.9425



Tritanomaly

64.6158, 79.9311, 96.0270

Monochromacy



Original Color

58.8840, 80.5389, 80.1522



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.0068, 71.1879, 76.1709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8840, 80.5389, 80.1522 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(142, 252, 220)` looks like.

```
.text, #text, p{  
    color:rgb(142, 252, 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(142, 252, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 252, 220) }
```

Border

The CSS property to change the border of an element to XYZ 58.8840, 80.5389, 80.1522 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(142, 252, 220) }
```


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

```
.border{ border-color:rgb(142, 252, 220) }
```

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

Here you see how a box with a 4 pixel rgb(142, 252, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 252, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 252, 220);  
box-shadow:4px 4px 4px 4px rgb(142, 252,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8840, 80.5389, 80.1522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 252, 220) }
```

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

```
.background{ background-color: rgb(142,  
252, 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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