

Converting Colors

XYZ(57.9394, 83.4150, 77.6937)

Have a look what the booklet for
XYZ(57.9394, 83.4150, 77.6937)
contains.

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Color

**XYZ(56.7589, 80.9135,
77.5921)**

Conversions

Conversions Part 1

Format	Color
Hex	7EFFD8
RGB	126, 255, 216
RGB Percent	49%, 100%, 85%
CMY	0.5059, 0.0000, 0.1529
CMYK	0.51, 0.00, 0.15, 0.00
HSL	162°, 100%, 75%
HSV	162°, 51%, 100%
XYZ	56.7589, 80.9135, 77.5921
YIQ	211.9830, -64.3650, -39.4770

Conversions

Conversions Part 2

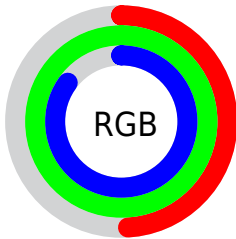
Format	Color
RYB	126, 202, 255
Decimal	8323032
CIELab	92.09, -44.87, 7.73
CIElCh	92, 45.528, 170.230
Yxy	80.9135, 0.2637, 0.3759
Android (android.graphics.Color)	4286513112 (0xFF7EFFD8)
YUV	211.9830, 1.9804, -75.4071
Hunter-Lab	89.9519, -44.7839, 11.8231

Details

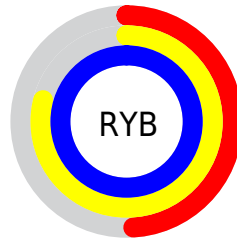
The XYZ color **56.7589, 80.9135, 77.5921** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.4932, 38.8995, 40.1820**, and the grayscale version is **62.5862, 65.8455, 71.7058**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **28.6137, 43.9855, 40.7002** is the 20% darker color. If you saturate the color by 10%, you get **52.4927, 78.8267, 72.3120**, and if you desaturate by 10%, it is **62.0317, 83.5138, 83.1662**.

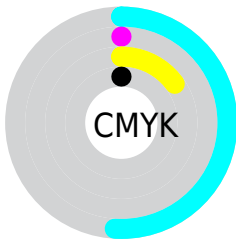
Distribution



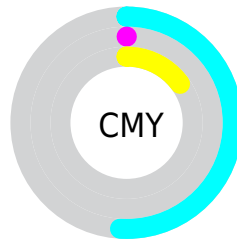
- Red (49%)
- Green (100%)
- Blue (85%)



- Red (49%)
- Yellow (79%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7589, 80.9135, 77.5921 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 56.7589, 80.9135, 77.5921 by changing the saturation by 10% instead.


 56.7589, 80.9135,
77.5921


 56.7589, 80.9135,
77.5921


402.5741,
498.0061, 506.2716


 41.0511, 60.4704,
57.2245

 99.2467, 134.6493,
131.7556

 28.5469, 43.7979,
40.7750


 126.7574,
168.7108, 166.3886

 18.8808, 30.5116,
27.8249


 158.9331,
208.0804, 206.6137

 11.6877, 20.2273,
17.9558

196.1391,
253.1427, 252.8497

 6.6021, 12.5603,
10.7492

238.7409,
304.2821, 305.5149

 3.2586, 7.1265,
5.7864

287.1038,

 1.2920, 3.5413,

361.8828, 365.0279

2.6489

341.5930,
426.3293, 431.8073

■ 0.1772, 1.4205,
0.9176

■ 0.0000, 0.2317,
0.0000

■ 56.7589, 80.9135,
77.5921

■ 56.7589, 80.9135,
77.5921

■ 52.4927, 78.8267,
72.3120

■ 62.0317, 83.5138,
83.1662

■ 49.1557, 77.2135,
67.3148

■ 68.3757, 86.6609,
89.0364

■ 46.6627, 76.0302,
62.5946

■ 75.8530, 90.3867,
95.2102

■ 44.9112, 75.2240,
58.1431

■ 84.5199, 94.7201,
101.6934

■ 43.7867, 74.7307,
54.1879

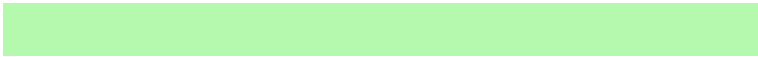
94.4292, 99.6883,
108.4914

95.0500, 100.0000,
108.9000

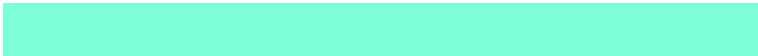
Harmonies

Analogous

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



60.8464, 80.9135, 52.9156



56.7589, 80.9135, 77.5921



57.6320, 80.9135, 112.3662

Triad

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



56.7589, 80.9135, 77.5921



84.9679, 80.9135, 163.6330



92.2484, 80.9135, 47.2091

Complementary

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



56.7589, 80.9135, 77.5921



55.4932, 38.8995, 40.1820

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.



100.0588, 80.9135, 67.6077



56.7589, 80.9135, 77.5921



95.5682, 80.9135, 136.1961

Square

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



56.7589, 80.9135, 77.5921



73.1431, 80.9135, 168.2793



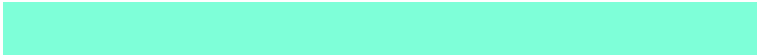
101.3319, 80.9135, 99.5184



80.7955, 80.9135, 38.5603

Rectangle

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



56.7589, 80.9135, 77.5921



60.9459, 80.9135, 136.7270



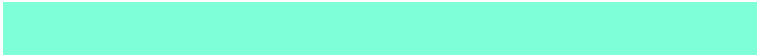
101.3319, 80.9135, 99.5184



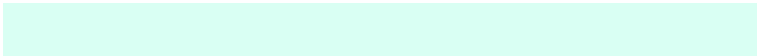
95.4340, 80.9135, 52.6338

Sweetspot

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



56.7598, 80.9139, 77.5935



80.5447, 92.7309, 98.7935



55.4315, 81.2260, 32.4968



16.8515, 19.6540, 20.8540



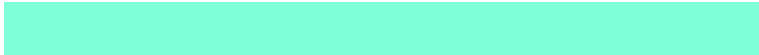
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.7598, 80.9139, 77.5935



52.3369, 78.7509, 72.0998



55.3290, 69.0043, 105.0108



18.3072, 20.3824, 21.9207



22.9489, 39.0761, 28.6798



2.2830, 3.8241, 3.0480

Inverse Universe

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



55.4932, 38.8995, 40.1820



50.9700, 32.3594, 30.9482



55.8573, 44.4688, 25.3795



18.2354, 18.0775, 19.8567



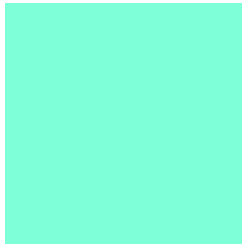
22.3079, 11.4125, 5.0059



2.2180, 1.1296, 0.7295

Previews

White Background



This preview shows how the XYZ color 56.7589, 80.9135, 77.5921 looks on a white background.

Color Contrast Check

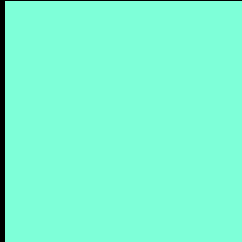
Large Text (above 18pt) WCAG AA × Fail

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 56.7589, 80.9135, 77.5921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

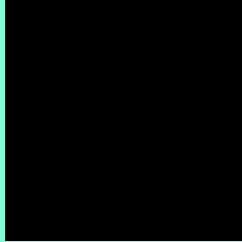
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

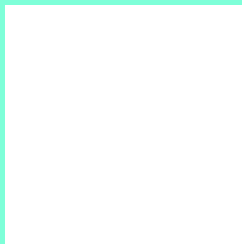
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7589, 80.9135, 77.5921

Background



This preview shows how black text looks on a background with the XYZ color 56.7589, 80.9135, 77.5921.

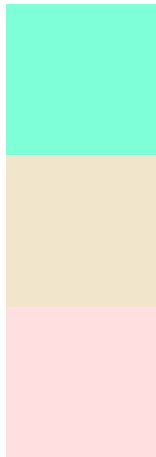


This preview shows how white text looks on a background with the XYZ color 56.7589, 80.9135,

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

56.7589, 80.9135, 77.5921

Protanopia

75.3519, 79.6062, 67.8940

Deuteranopia

80.9470, 79.3631, 80.8643



Tritanopia

68.6245, 80.4276, 106.5149

Trichromacy



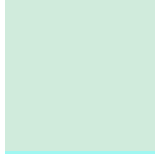
Original Color

56.7589, 80.9135, 77.5921



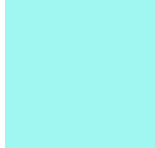
Protanomaly

65.8049, 78.4292, 71.3446



Deuteranomaly

68.6390, 77.9939, 79.1468



Tritanomaly

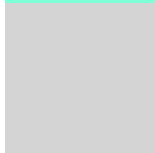
63.6352, 80.3460, 95.3735

Monochromacy



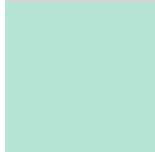
Original Color

56.7589, 80.9135, 77.5921



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.8097, 70.1147, 73.3847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7589, 80.9135, 77.5921 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(126, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 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(126, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 56.7589, 80.9135, 77.5921 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(126, 255, 216) }
```


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

```
.border{ border-color:rgb(126, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7589, 80.9135, 77.5921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 216) }
```

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

```
.background{ background-color: rgb(126,  
255, 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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