

Converting Colors

XYZ(66.5882, 100.0000,
86.1749)

Have a look what the booklet for
XYZ(66.5882, 100.0000, 86.1749)
contains.

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Color

**XYZ(57.0997, 80.9668,
83.1397)**

Conversions

Conversions Part 1

Format	Color
Hex	79FFE0
RGB	121, 255, 224
RGB Percent	47%, 100%, 88%
CMY	0.5255, 0.0000, 0.1216
CMYK	0.53, 0.00, 0.12, 0.00
HSL	166°, 100%, 74%
HSV	166°, 53%, 100%
XYZ	57.0997, 80.9668, 83.1397
YIQ	211.4000, -69.9130, -38.0490

Conversions

Conversions Part 2

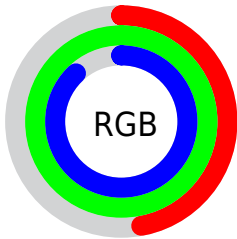
Format	Color
RYB	121, 197, 255
Decimal	7995360
CIELab	92.12, -44.13, 3.61
CIELCh	92, 44.276, 175.327
Yxy	80.9668, 0.2581, 0.3660
Android (android.graphics.Color)	4286185440 (0xFF79FFE0)
YUV	211.4000, 6.2118, -79.2808
Hunter-Lab	89.9816, -44.1968, 8.2053

Details

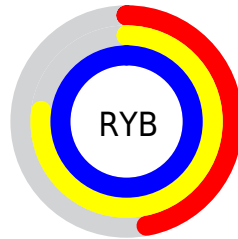
The XYZ color **57.0997, 80.9668, 83.1397** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.7456, 37.2029, 34.0550**, and the grayscale version is **62.1750, 65.4129, 71.2347**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **28.8768, 44.0370, 44.5141** is the 20% darker color. If you saturate the color by 10%, you get **53.2002, 79.0473, 78.8540**, and if you desaturate by 10%, it is **61.9730, 83.3849, 87.6186**.

Distribution



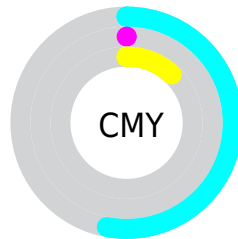
- Red (47%)
- Green (100%)
- Blue (88%)



- Red (47%)
- Yellow (77%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.0997, 80.9668, 83.1397 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 57.0997, 80.9668, 83.1397 by changing the saturation by 10% instead.


 57.0997, 80.9668,
83.1397

 57.0997, 80.9668,
83.1397


403.8309,
498.1851, 525.4352


 41.3257, 60.5143,
61.7641


 99.7412, 134.7242,
139.6221

 28.7625, 43.8333,
44.4076


 127.3394,
168.7977, 175.5660

 19.0446, 30.5395,
30.6515

 159.6097,
208.1805, 217.2031

 11.8067, 20.2484,
20.0774

196.9176,
253.2568, 264.9519

 6.6835, 12.5757,
12.2667

239.6283,
304.4110, 319.2309

 3.3095, 7.1371,
6.8008

288.1072,

 1.3195, 3.5480,

362.0275, 380.4588

3.2613

342.7196,
426.4907, 449.0541

■ 0.1977, 1.4241,
1.2296

■ 0.0000, 0.2344,
0.0030

■ 57.0997, 80.9668,
83.1397

■ 57.0997, 80.9668,
83.1397

■ 53.2002, 79.0473,
78.8540

■ 61.9730, 83.3849,
87.6186

■ 50.1955, 77.5860,
74.7523

■ 67.8855, 86.3357,
92.2912

■ 47.9982, 76.5378,
70.8303

■ 74.9001, 89.8513,
97.1631

■ 46.5015, 75.8476,
67.0816

■ 83.0738, 93.9611,
102.2383

■ 45.7249, 75.5059,
64.3942

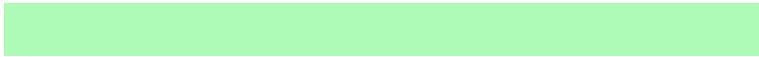
■ 92.4595, 98.6924,
107.5208

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.



60.2901, 80.9668, 57.0334



57.0997, 80.9668, 83.1397



58.7842, 80.9668, 117.8549

Triad

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



57.0997, 80.9668, 83.1397



86.7263, 80.9668, 158.0025



90.1215, 80.9668, 45.9308

Complementary

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



57.0997, 80.9668, 83.1397



53.7456, 37.2029, 34.0550

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.



98.5340, 80.9668, 63.9242



57.0997, 80.9668, 83.1397



96.4419, 80.9668, 128.9426

Square

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



57.0997, 80.9668, 83.1397



75.1833, 80.9668, 166.7604



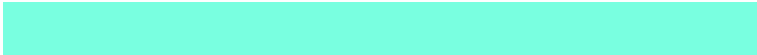
100.9536, 80.9668, 93.3765



78.7574, 80.9668, 39.2012

Rectangle

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



57.0997, 80.9668, 83.1397



62.5424, 80.9668, 140.8018



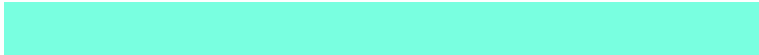
100.9536, 80.9668, 93.3765



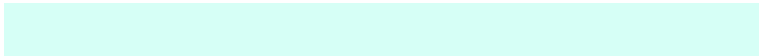
93.4308, 80.9668, 50.6074

Sweetspot

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



57.1006, 80.9672, 83.1411



80.1173, 92.4732, 100.4628



52.2110, 79.6021, 30.7035



16.7856, 19.6106, 21.2791



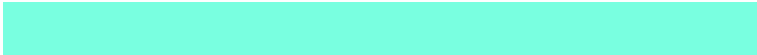
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



57.1006, 80.9672, 83.1411



53.0455, 78.9716, 78.6643



51.3372, 62.0882, 103.8862



18.3645, 20.4053, 22.2225



23.9524, 39.4775, 33.9641



2.3738, 3.8604, 3.5260

Inverse Universe

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



53.7456, 37.2029, 34.0550



49.4056, 30.9805, 25.0318



56.7039, 46.6655, 24.1093



18.1815, 18.0559, 19.5729



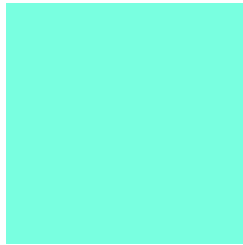
22.0080, 11.2925, 3.4266



2.1826, 1.1154, 0.5428

Previews

White Background



This preview shows how the XYZ color 57.0997, 80.9668, 83.1397 looks on a white background.

Color Contrast Check

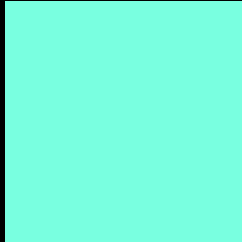
Large Text (above 18pt) WCAG AA × Fail

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 57.0997, 80.9668, 83.1397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

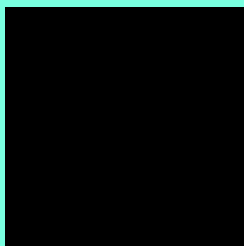
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

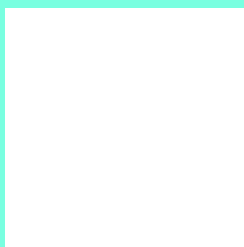
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.0997, 80.9668, 83.1397

Background



This preview shows how black text looks on a background with the XYZ color 57.0997, 80.9668, 83.1397.

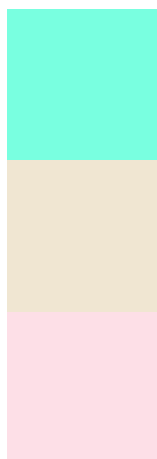


This preview shows how white text looks on a background with the XYZ color 57.0997, 80.9668,

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

57.0997, 80.9668, 83.1397

Protanopia

75.8649, 79.7720, 72.3718

Deuteranopia

81.3195, 79.4275, 86.6464



Tritanopia

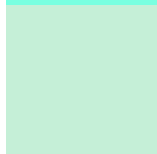
68.3925, 80.3080, 106.5041

Trichromacy



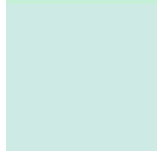
Original Color

57.0997, 80.9668, 83.1397



Protanomaly

66.1582, 78.5096, 75.9569



Deuteranomaly

68.8888, 77.9972, 84.8229



Tritanomaly

63.6904, 80.3223, 97.7349

Monochromacy



Original Color

57.0997, 80.9668, 83.1397



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.2239, 69.3610, 75.2850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0997, 80.9668, 83.1397 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(121, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 224)  
}
```

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(121, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 57.0997, 80.9668, 83.1397 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(121, 255, 224) }
```


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

```
.border{ border-color:rgb(121, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0997, 80.9668, 83.1397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 224) }
```

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

```
.background{ background-color: rgb(121,  
255, 224) }
```

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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