

Converting Colors

XYZ(57.6580, 81.1246, 89.0389)

Have a look what the booklet for
XYZ(57.6580, 81.1246, 89.0389)
contains.

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Color

**XYZ(57.6616, 81.1281,
88.9641)**

Conversions

Conversions Part 1

Format	Color
Hex	75FFE8
RGB	117, 255, 232
RGB Percent	46%, 100%, 91%
CMY	0.5412, 0.0000, 0.0902
CMYK	0.54, 0.00, 0.09, 0.00
HSL	170°, 100%, 73%
HSV	170°, 54%, 100%
XYZ	57.6616, 81.1281, 88.9641
YIQ	211.1160, -74.8650, -36.4090

Conversions

Conversions Part 2

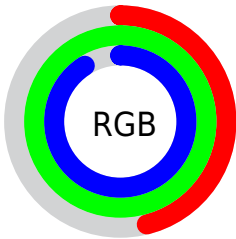
Format	Color
RYB	117, 192, 255
Decimal	7733224
CIELab	92.19, -43.06, -0.44
CIELCh	92, 43.061, 180.588
Yxy	81.1281, 0.2532, 0.3562
Android (android.graphics.Color)	4285923304 (0xFF75FFE8)
YUV	211.1160, 10.2958, -82.5397
Hunter-Lab	90.0711, -43.3526, 4.4885

Details

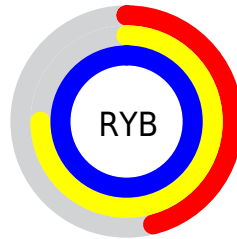
The XYZ color **57.6616, 81.1281, 88.9641** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **52.3358, 35.8774, 28.9789**, and the grayscale version is **61.9635, 65.1905, 70.9924**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **29.1573, 44.1036, 48.0504** is the 20% darker color. If you saturate the color by 10%, you get **54.0935, 79.3576, 85.6849**, and if you desaturate by 10%, it is **62.1792, 83.3864, 92.3667**.

Distribution



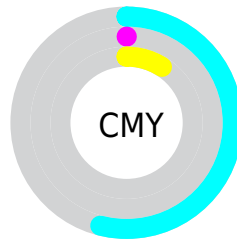
- Red (46%)
- Green (100%)
- Blue (91%)



- Red (46%)
- Yellow (75%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6616, 81.1281, 88.9641 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 57.6616, 81.1281, 88.9641 by changing the saturation by 10% instead.


 57.6616, 81.1281,
88.9641


 57.6616, 81.1281,
88.9641


405.8980,
498.7265, 545.1382


 41.7789, 60.6471,
66.5529


 100.5557,
134.9506, 147.8216

 29.1185, 43.9404,
48.2621


 128.2978,
169.0609, 185.1049

 19.3152, 30.6237,
33.6730


 160.7237,
208.4832, 228.1828

 12.0036, 20.3125,
22.3672

198.1988,
253.6017, 277.4737

 6.8184, 12.6224,
13.9261

241.0884,
304.8009, 333.3961

 3.3941, 7.1690,
7.9311

289.7579,

 1.3654, 3.5680,

362.4651, 396.3687

3.9637

344.5727,
426.9789, 466.8099

0.2314, 1.4350,
1.6055

0.0000, 0.2423,
0.2947

57.6616, 81.1281,
88.9641

57.6616, 81.1281,
88.9641

54.0935, 79.3576,
85.6849

62.1792, 83.3864,
92.3667

51.3942, 78.0333,
82.5207

67.7124, 86.1665,
95.8922

49.4743, 77.1091,
79.4681

74.3248, 89.5014,
99.5454

48.2232, 76.5280,
76.5215

82.0741, 93.4205,
103.3297

■ 47.7071, 76.2988,
74.8325

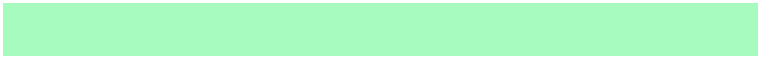
■ 91.0135, 97.9515,
107.2479

95.0500, 100.0000,
108.9000

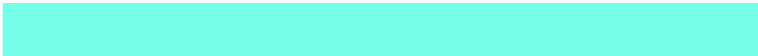
Harmonies

Analogous

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



59.9587, 81.1281, 61.5692



57.6616, 81.1281, 88.9641



60.1443, 81.1281, 123.2650

Triad

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



57.6616, 81.1281, 88.9641



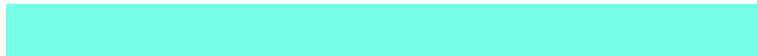
88.4983, 81.1281, 152.1568



88.0827, 81.1281, 45.0418

Complementary

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



57.6616, 81.1281, 88.9641



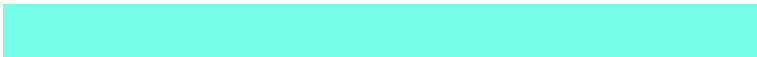
52.3358, 35.8774, 28.9789

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.



96.9987, 81.1281, 60.7182



57.6616, 81.1281, 88.9641



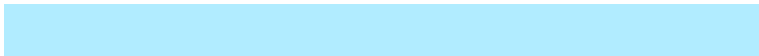
97.2545, 81.1281, 121.9119

Square

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



57.6616, 81.1281, 88.9641



77.3293, 81.1281, 164.7150



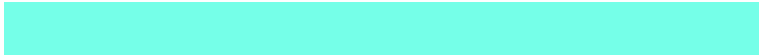
100.5026, 81.1281, 87.7083



76.8908, 81.1281, 40.1963

Rectangle

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



57.6616, 81.1281, 88.9641



64.3275, 81.1281, 144.5304



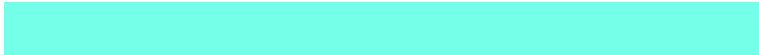
100.5026, 81.1281, 87.7083



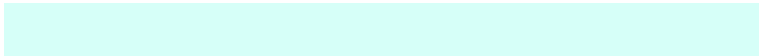
91.4823, 81.1281, 48.9987

Sweetspot

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



57.6626, 81.1286, 88.9655



80.5243, 92.6360, 102.6064



49.7872, 78.3803, 29.3361



16.8834, 19.6498, 21.7940



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.



57.6626, 81.1286, 88.9655



53.8210, 79.2231, 85.4005



48.1877, 56.6041, 102.9937



18.4172, 20.4264, 22.4999



24.9761, 39.8870, 39.3550



2.4648, 3.8969, 4.0056

Inverse Universe

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



52.3358, 35.8774, 28.9789



48.0367, 29.7278, 19.9970



57.5490, 48.7401, 23.2059



18.1329, 18.0365, 19.3168



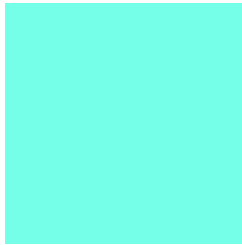
21.8078, 11.2124, 2.3723



2.1564, 1.1049, 0.4049

Previews

White Background



This preview shows how the XYZ color 57.6616, 81.1281, 88.9641 looks on a white background.

Color Contrast Check

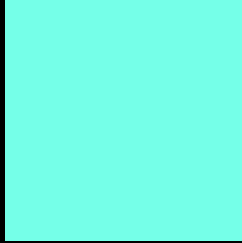
Large Text (above 18pt) WCAG AA × Fail

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 57.6616, 81.1281, 88.9641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

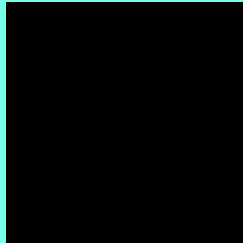
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

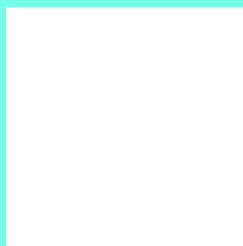
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.6616, 81.1281, 88.9641

Background



This preview shows how black text looks on a background with the XYZ color 57.6616, 81.1281, 88.9641.

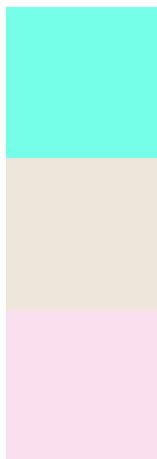


This preview shows how white text looks on a background with the XYZ color 57.6616, 81.1281,

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

57.6616, 81.1281, 88.9641

Protanopia

76.2116, 79.8327, 77.7221

Deuteranopia

81.6600, 79.8673, 92.7733



Tritanopia

68.3925, 80.3080, 106.5041

Trichromacy



Original Color

57.6616, 81.1281, 88.9641



Protanomaly

66.4339, 78.5301, 81.4684



Deuteranomaly

69.2058, 78.0293, 90.7705



Tritanomaly

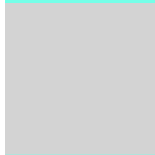
63.7596, 80.3048, 100.1356

Monochromacy



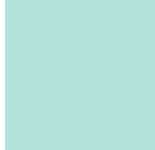
Original Color

57.6616, 81.1281, 88.9641



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.3867, 69.3998, 77.3360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6616, 81.1281, 88.9641 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(117, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 232)  
}
```

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(117, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 57.6616, 81.1281, 88.9641 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(117, 255, 232) }
```


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

```
.border{ border-color:rgb(117, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6616, 81.1281, 88.9641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 232) }
```

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

```
.background{ background-color: rgb(117,  
255, 232) }
```

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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