

Converting Colors

XYZ(57.2806, 80.9031, 90.2380)

Have a look what the booklet for
XYZ(57.2806, 80.9031, 90.2380)
contains.

XYZ(57.2934, 80.9053, 90.4385)	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(57.2934, 80.9053,
90.4385)**

Conversions

Conversions Part 1

Format	Color
Hex	70FFEA
RGB	112, 255, 234
RGB Percent	44%, 100%, 92%
CMY	0.5608, 0.0000, 0.0823
CMYK	0.56, 0.00, 0.08, 0.00
HSL	171°, 100%, 72%
HSV	171°, 56%, 100%
XYZ	57.2934, 80.9053, 90.4385
YIQ	209.8490, -78.4870, -36.8470

Conversions

Conversions Part 2

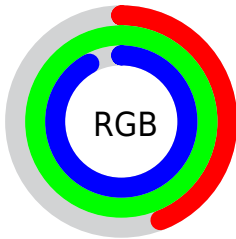
Format	Color
RYB	112, 189, 255
Decimal	7405546
CIELab	92.09, -43.53, -1.64
CIELCh	92, 43.565, 182.158
Yxy	80.9053, 0.2506, 0.3539
Android (android.graphics.Color)	4285595626 (0xFF70FFEA)
YUV	209.8490, 11.9064, -85.8136
Hunter-Lab	89.9474, -43.7095, 3.3494

Details

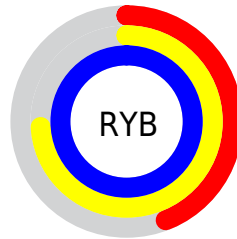
The XYZ color **57.2934, 80.9053, 90.4385** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.2687, 34.5432, 26.1571**, and the grayscale version is **61.1213, 64.3044, 70.0275**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **28.9575, 43.9776, 49.0818** is the 20% darker color. If you saturate the color by 10%, you get **53.9636, 79.2502, 87.5051**, and if you desaturate by 10%, it is **61.5550, 83.0394, 93.4776**.

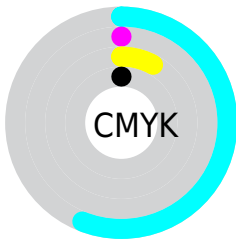
Distribution



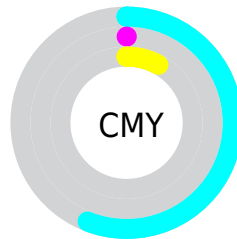
- Red (44%)
- Green (100%)
- Blue (92%)



- Red (44%)
- Yellow (74%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.2934, 80.9053, 90.4385 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 57.2934, 80.9053, 90.4385 by changing the saturation by 10% instead.

 57.2934, 80.9053,
90.4385


 57.2934, 80.9053,
90.4385


404.5442,
497.9785, 550.0631


 41.4819, 60.4636,
67.7686


 100.0221,
134.6378, 149.8882

 28.8852, 43.7924,
49.2440


 127.6699,
168.6974, 187.5051

 19.1378, 30.5074,
34.4461


 159.9940,
208.0651, 230.9414

 11.8745, 20.2240,
22.9564

197.3596,
253.1252, 280.6156

 6.7299, 12.5580,
14.3563

240.1320,
304.2622, 336.9464

 3.3386, 7.1249,
8.2273

288.6767,

 1.3352, 3.5403,

361.8605, 400.3522

4.1509

343.3590,
426.3045, 471.2516

■ 0.2094, 1.4199,
1.7085

■ 0.0000, 0.2313,
0.3665

■ 57.2934, 80.9053,
90.4385

■ 57.2934, 80.9053,
90.4385

■ 53.9636, 79.2502,
87.5051

■ 61.5550, 83.0394,
93.4776

■ 51.4828, 78.0315,
84.6691


■ 66.8161, 85.6874,
96.6219


■ 49.7585, 77.2015,
81.9271

■ 73.1413, 88.8827,
99.8760

■ 48.6745, 76.7003,
79.2733

■ 80.5890, 92.6553,
103.2431

 48.3566, 76.5586,
78.2529

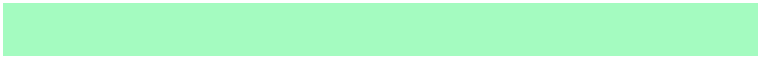
 89.2134, 97.0332,
106.7260

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.



59.3575, 80.9053, 62.2743



57.2934, 80.9053, 90.4385



60.0435, 80.9053, 125.2349

Triad

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



57.2934, 80.9053, 90.4385



88.9603, 80.9053, 151.4268



87.4192, 80.9053, 43.9786

Complementary

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



57.2934, 80.9053, 90.4385



51.2687, 34.5432, 26.1571

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.



96.6440, 80.9053, 59.1318



57.2934, 80.9053, 90.4385



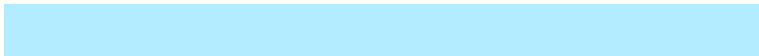
97.5928, 80.9053, 120.2103

Square

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



57.2934, 80.9053, 90.4385



77.7130, 80.9053, 165.3716



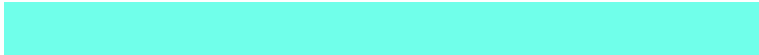
100.5311, 80.9053, 85.7867



76.0888, 80.9053, 39.6554

Rectangle

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



57.2934, 80.9053, 90.4385



64.4088, 80.9053, 146.4396



100.5311, 80.9053, 85.7867



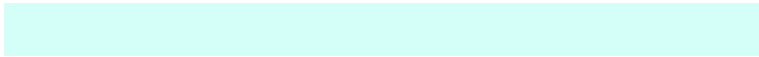
90.9056, 80.9053, 47.7573

Sweetspot

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



57.2944, 80.9057, 90.4399



79.8525, 92.2818, 102.9272



48.4298, 77.7136, 27.7786



16.7562, 19.5821, 21.8844



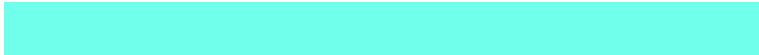
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



57.2944, 80.9057, 90.4399



53.7001, 79.1199, 87.2390



46.5527, 54.3048, 102.6360



18.4334, 20.4329, 22.5853



25.3111, 40.0210, 41.1190



2.4943, 3.9087, 4.1610

Inverse Universe

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



51.2687, 34.5432, 26.1571



47.1952, 28.7332, 17.5941



57.0948, 48.2896, 21.6425



18.1180, 18.0305, 19.2387



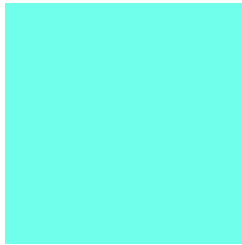
21.7594, 11.1931, 2.1175



2.1494, 1.1021, 0.3683

Previews

White Background



This preview shows how the XYZ color 57.2934, 80.9053, 90.4385 looks on a white background.

Color Contrast Check

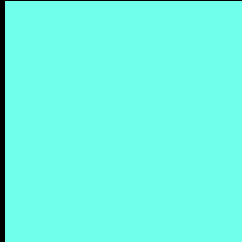
Large Text (above 18pt) WCAG AA × Fail

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 57.2934, 80.9053, 90.4385 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 57.2934, 80.9053, 90.4385

Background



This preview shows how black text looks on a background with the XYZ color 57.2934, 80.9053, 90.4385.

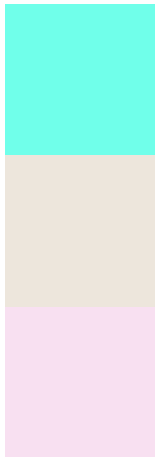


This preview shows how white text looks on a background with the XYZ color 57.2934, 80.9053,

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

57.2934, 80.9053, 90.4385

Protanopia

76.1401, 79.7655, 79.0934

Deuteranopia

81.2442, 79.6186, 94.3050



Tritanopia

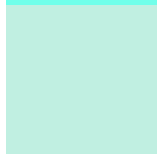
67.9336, 80.0714, 106.4826

Trichromacy



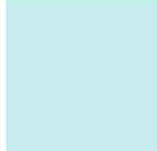
Original Color

57.2934, 80.9053, 90.4385



Protanomaly

66.1953, 78.3757, 82.8733



Deuteranomaly

68.6941, 77.7318, 92.2721



Tritanomaly

63.1861, 80.0092, 100.1088

Monochromacy



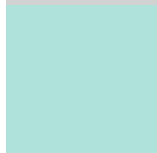
Original Color

57.2934, 80.9053, 90.4385



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.4381, 68.5059, 77.2135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2934, 80.9053, 90.4385 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(112, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 234)  
}
```

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(112, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 57.2934, 80.9053, 90.4385 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(112, 255, 234) }
```


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

```
.border{ border-color:rgb(112, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2934, 80.9053, 90.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 234) }
```

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

```
.background{ background-color: rgb(112,  
255, 234) }
```

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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