

Converting Colors

XYZ(64.2922, 80.3277,
139.4269)

Have a look what the booklet for
XYZ(64.2922, 80.3277, 139.4269)
contains.

XYZ(57.9241, 77.6060, 106.5343)	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(57.9241, 77.6060,
106.5343)**

Conversions

Conversions Part 1

Format	Color
Hex	6DF8FF
RGB	109, 248, 255
RGB Percent	43%, 97%, 100%
CMY	0.5725, 0.0274, 0.0000
CMYK	0.57, 0.03, 0.00, 0.00
HSL	183°, 100%, 71%
HSV	183°, 57%, 100%
XYZ	57.9241, 77.6060, 106.5343
YIQ	207.2370, -85.0910, -27.2910

Conversions

Conversions Part 2

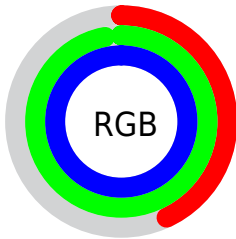
Format	Color
RYB	109, 180, 255
Decimal	7207167
CIELab	90.60, -35.57, -14.76
CIElCh	91, 38.509, 202.535
Yxy	77.6060, 0.2393, 0.3206
Android (android.graphics.Color)	4285397247 (0xFF6DF8FF)
YUV	207.2370, 23.5472, -86.1538
Hunter-Lab	88.0943, -36.7969, -10.0347

Details

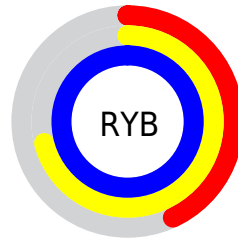
The XYZ color **57.9241, 77.6060, 106.5343** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.2466, 34.8560, 18.5497**, and the grayscale version is **59.3554, 62.4466, 68.0043**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **29.2247, 41.5455, 59.9049** is the 20% darker color. If you saturate the color by 10%, you get **54.8563, 75.4703, 106.2837**, and if you desaturate by 10%, it is **61.9082, 80.2212, 106.8291**.

Distribution



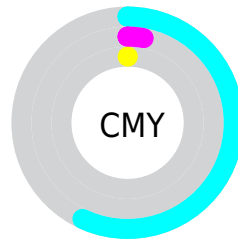
- Red (43%)
- Green (97%)
- Blue (100%)



- Red (43%)
- Yellow (71%)
- Blue (100%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9241, 77.6060, 106.5343 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 57.9241, 77.6060, 106.5343 by changing the saturation by 10% instead.

57.9241, 77.6060,
106.5343

57.9241, 77.6060,
106.5343

406.8615,
486.8277, 602.3699

41.9907, 57.7504,
81.1215

100.9359,
129.9946, 172.2381

29.2851, 41.6080,
60.1101

128.7450,
163.2963, 213.3662

19.4419, 28.7945,
43.0815

161.2434,
201.8488, 260.5699

12.0959, 18.9254,
29.6172

198.7963,
246.0366, 314.2676

6.8817, 11.6164,
19.2986

241.7693,
296.2440, 374.8779

3.4339, 6.4830,
11.7073

290.5275,

1.3872, 3.1410,

352.8554, 442.8194

6.4246

345.4365,
416.2551, 518.5105

■ 0.2470, 1.2058,
3.0320

■ 0.0000, 0.0664,
1.1110

■ 57.9241, 77.6060,
106.5343

■ 57.9241, 77.6060,
106.5343

■ 54.8563, 75.4703,
106.2837

■ 61.9082, 80.2212,
106.8291

■ 52.6174, 73.7638,
106.0724

■ 66.8737, 83.3442,
107.1702

■ 51.1140, 72.4401,
105.8961

■ 72.8871, 87.0111,
107.5610

■ 50.2230, 71.4357,
105.7492

■ 80.0073, 91.2523,
108.0044

■ 50.0348, 71.1896,
105.7116

■ 88.2888, 96.0958,
108.5028

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.



56.8591, 77.6060, 77.7855



57.9241, 77.6060, 106.5343



63.0465, 77.6060, 134.0579

Triad

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



57.9241, 77.6060, 106.5343



89.4836, 77.6060, 121.1003



76.1979, 77.6060, 42.0188

Complementary

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



57.9241, 77.6060, 106.5343



50.2466, 34.8560, 18.5497

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.



85.6281, 77.6060, 48.9639



57.9241, 77.6060, 106.5343



93.7214, 77.6060, 91.5897

Square

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



57.9241, 77.6060, 106.5343



81.1007, 77.6060, 143.6651



92.2523, 77.6060, 65.7344



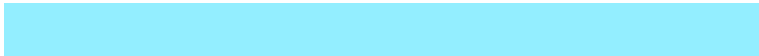
66.8802, 77.6060, 44.3227

Rectangle

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



57.9241, 77.6060, 106.5343



68.3350, 77.6060, 145.9666



92.2523, 77.6060, 65.7344



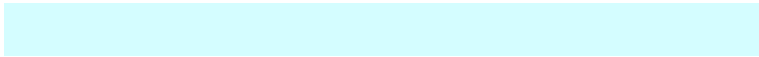
79.4693, 77.6060, 43.2856

Sweetspot

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



57.9262, 77.6088, 106.5347



80.2014, 91.3668, 108.0162



45.0977, 75.9837, 28.1715



16.8394, 19.3631, 23.0999



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

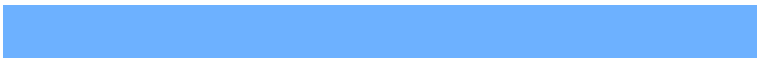
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.9262, 77.6088, 106.5347



54.4075, 75.1421, 106.2441



40.1069, 41.9703, 100.5950



18.4759, 20.3234, 23.1990



26.1769, 37.2633, 55.2475



2.5708, 3.6723, 5.3866

Inverse Universe

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



63.6533, 38.9765, 92.9783



60.7615, 33.5479, 90.9196



61.7435, 57.8499, 22.3821



18.7529, 18.2845, 22.5816



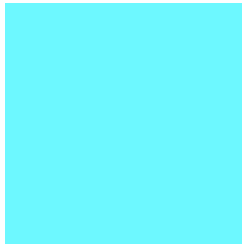
30.0011, 14.4897, 45.5176



2.9322, 1.4153, 4.4906

Previews

White Background



This preview shows how the XYZ color 57.9241, 77.6060, 106.5343 looks on a white background.

Color Contrast Check

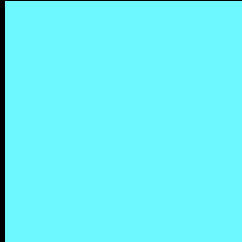
Large Text (above 18pt) WCAG AA × Fail

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 57.9241, 77.6060, 106.5343 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 57.9241, 77.6060, 106.5343

Background



This preview shows how black text looks on a background with the XYZ color 57.9241, 77.6060, 106.5343.

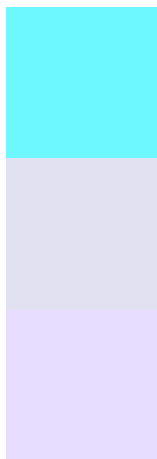


This preview shows how white text looks on a background with the XYZ color 57.9241, 77.6060,

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

57.9241, 77.6060, 106.5343

Protanopia

74.1664, 76.3701, 94.0510

Deuteranopia

77.1263, 76.4515, 105.2994



Tritanopia

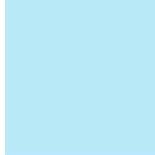
63.3106, 76.8093, 106.0966

Trichromacy



Original Color

57.9241, 77.6060, 106.5343



Protanomaly

65.3019, 74.9989, 98.2232



Deuteranomaly

67.1194, 74.9366, 105.5344



Tritanomaly

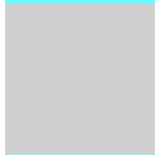
60.9158, 76.8966, 106.2397

Monochromacy



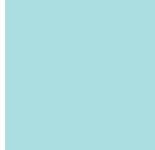
Original Color

57.9241, 77.6060, 106.5343



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

56.3704, 66.2823, 80.3437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9241, 77.6060, 106.5343 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(109, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 248, 255)  
}
```

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(109, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.9241, 77.6060, 106.5343 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(109, 248, 255) }
```


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

```
.border{ border-color:rgb(109, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(109, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9241, 77.6060, 106.5343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 248, 255) }
```

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

```
.background{ background-color: rgb(109,  
248, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor