

Converting Colors

XYZ(67.2031, 79.5203,
154.6308)

Have a look what the booklet for
XYZ(67.2031, 79.5203, 154.6308)
contains.

XYZ(58.0084, 75.8433, 106.1896)	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(58.0084, 75.8433,
106.1896)**

Conversions

Conversions Part 1

Format	Color
Hex	77F4FF
RGB	119, 244, 255
RGB Percent	47%, 96%, 100%
CMY	0.5333, 0.0431, 0.0000
CMYK	0.53, 0.04, 0.00, 0.00
HSL	185°, 100%, 73%
HSV	185°, 53%, 100%
XYZ	58.0084, 75.8433, 106.1896
YIQ	207.8790, -78.0310, -23.0790

Conversions

Conversions Part 2

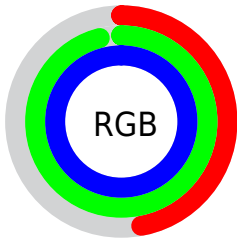
Format	Color
R_{YB}	119, 184, 255
Decimal	7861503
CIE _{Lab}	89.79, -31.86, -15.95
CIE _{LCh}	90, 35.626, 206.590
Yxy	75.8433, 0.2417, 0.3160
Android (android.graphics.Color)	4286051583 (0xFF77F4FF)
YUV	207.8790, 23.2307, -77.9469
Hunter-Lab	87.0881, -33.5072, -11.3328

Details

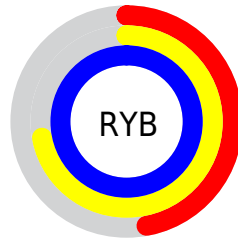
The XYZ color **58.0084, 75.8433, 106.1896** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.5531, 38.5579, 22.1273**, and the grayscale version is **59.7684, 62.8810, 68.4774**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **29.2300, 40.2708, 59.6585** is the 20% darker color. If you saturate the color by 10%, you get **54.3505, 73.0434, 105.8420**, and if you desaturate by 10%, it is **62.6160, 79.1465, 106.5843**.

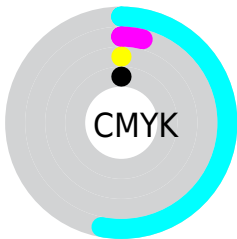
Distribution



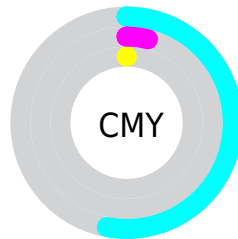
- Red (47%)
- Green (96%)
- Blue (100%)



- Red (47%)
- Yellow (72%)
- Blue (100%)



- Cyan (53%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0084, 75.8433, 106.1896 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 58.0084, 75.8433, 106.1896 by changing the saturation by 10% instead.

58.0084, 75.8433,
106.1896

58.0084, 75.8433,
106.1896

407.1706,
480.8111, 601.2754

42.0587, 56.3040,
80.8341

101.0580,
127.5054, 171.7632

29.3386, 40.4467,
59.8748

128.8886,
160.3970, 212.8184

19.4827, 27.8870,
42.8931

161.4102,
198.5081, 259.9440

12.1256, 18.2405,
29.4705

198.9881,
242.2232, 313.5584

6.9021, 11.1228,
19.1884

241.9878,
291.9267, 374.0802

3.4467, 6.1495,
11.6283

290.7745,

1.3942, 2.9362,

348.0029, 441.9279

6.3716

345.7137,
410.8362, 517.5201

■ 0.2521, 1.0985,
2.9999

■ 0.0000, 0.0000,
1.0946

■ 58.0084, 75.8433,
106.1896

■ 58.0084, 75.8433,
106.1896

■ 54.3505, 73.0434,
105.8420

■ 62.6160, 79.1465,
106.5843

■ 51.5591, 70.6988,
105.5365

■ 68.2356, 82.9800,
107.0281

■ 49.5473, 68.7663,
105.2695

■ 74.9312, 87.3787,
107.5242

■ 48.2066, 67.1900,
105.0359

■ 82.7601, 92.3719,
108.0754

■ 47.5815, 66.2830,
104.8938

■ 91.7751, 97.9871,
108.6841

95.0500, 100.0000,
108.9000

Harmonies

Analogous

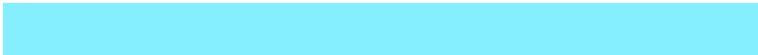
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.5013, 75.8433, 79.7359



58.0084, 75.8433, 106.1896



63.1777, 75.8433, 129.9192

Triad

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



58.0084, 75.8433, 106.1896



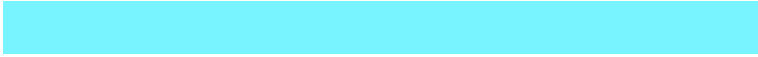
87.1313, 75.8433, 112.1937



73.0963, 75.8433, 43.0819

Complementary

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



58.0084, 75.8433, 106.1896



52.5531, 38.5579, 22.1273

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.



81.7964, 75.8433, 48.4144



58.0084, 75.8433, 106.1896



90.3032, 75.8433, 85.4919

Square

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



58.0084, 75.8433, 106.1896



79.9175, 75.8433, 133.8511



88.2765, 75.8433, 62.7588



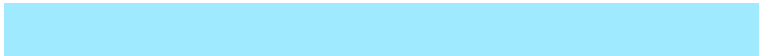
64.7851, 75.8433, 46.4263

Rectangle

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



58.0084, 75.8433, 106.1896



68.2389, 75.8433, 139.1620



88.2765, 75.8433, 62.7588



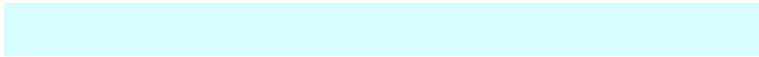
76.0767, 75.8433, 43.8863

Sweetspot

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



58.0105, 75.8461, 106.1900



80.5565, 90.9794, 107.9227



47.2697, 77.0028, 32.8187



16.8909, 19.2499, 23.0753



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.



58.0105, 75.8461, 106.1900



54.1375, 72.8727, 105.8202



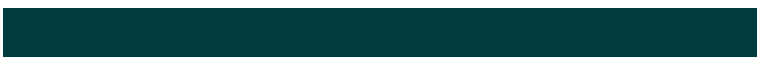
41.5664, 42.9580, 100.7087



18.4218, 20.2152, 23.1809



24.9149, 34.7394, 54.8268



2.4616, 3.4538, 5.3502

Inverse Universe

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



64.1673, 40.9870, 90.1203



61.0474, 35.2787, 87.4421



64.3257, 62.1032, 26.0515



18.7256, 18.2735, 22.4379



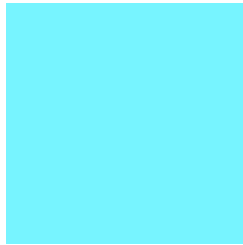
29.3641, 14.2349, 42.1633



2.8771, 1.3932, 4.2001

Previews

White Background



This preview shows how the XYZ color 58.0084, 75.8433, 106.1896 looks on a white background.

Color Contrast Check

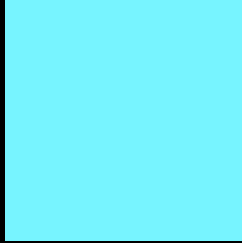
Large Text (above 18pt) WCAG AA × Fail

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 58.0084, 75.8433, 106.1896 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 58.0084, 75.8433, 106.1896

Background



This preview shows how black text looks on a background with the XYZ color 58.0084, 75.8433, 106.1896.

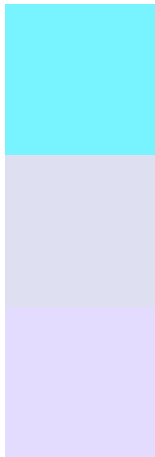


This preview shows how white text looks on a background with the XYZ color 58.0084, 75.8433,

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

58.0084, 75.8433, 106.1896

Protanopia

72.8461, 74.8741, 94.6172

Deuteranopia

75.6381, 74.9004, 105.0784



Tritanopia

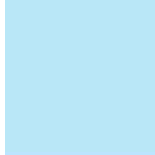
61.6790, 75.5323, 105.9361

Trichromacy



Original Color

58.0084, 75.8433, 106.1896



Protanomaly

65.3720, 74.1815, 98.8687



Deuteranomaly

66.8083, 73.9500, 105.3603



Tritanomaly

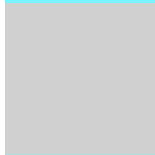
60.1528, 75.6196, 106.0334

Monochromacy



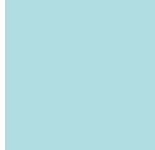
Original Color

58.0084, 75.8433, 106.1896



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.3516, 66.3793, 81.0239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0084, 75.8433, 106.1896 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(119, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 244, 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(119, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.0084, 75.8433, 106.1896 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(119, 244, 255) }
```


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

```
.border{ border-color:rgb(119, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0084, 75.8433, 106.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 244, 255) }
```

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

```
.background{ background-color: rgb(119,  
244, 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