

Converting Colors

XYZ(58.8664, 77.2497,
106.4158)

Have a look what the booklet for
XYZ(58.8664, 77.2497, 106.4158)
contains.

XYZ(58.8909, 77.1965, 106.4043)	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(58.8909, 77.1965,
106.4043)**

Conversions

Conversions Part 1

Format	Color
Hex	79F6FF
RGB	121, 246, 255
RGB Percent	47%, 96%, 100%
CMY	0.5255, 0.0353, 0.0000
CMYK	0.53, 0.04, 0.00, 0.00
HSL	184°, 100%, 74%
HSV	184°, 53%, 100%
XYZ	58.8909, 77.1965, 106.4043
YIQ	209.6510, -77.3890, -23.7010

Conversions

Conversions Part 2

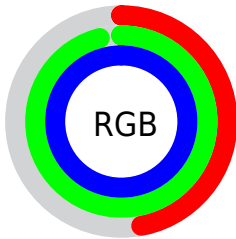
Format	Color
RYB	121, 186, 255
Decimal	7993087
CIELab	90.41, -32.41, -15.00
CIELCh	90, 35.717, 204.836
Yxy	77.1965, 0.2429, 0.3183
Android (android.graphics.Color)	4286183167 (0xFF79F6FF)
YUV	209.6510, 22.3571, -77.7469
Hunter-Lab	87.8615, -34.1146, -10.2998

Details

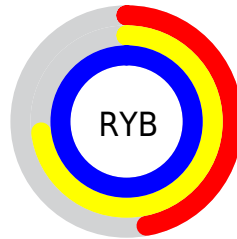
The XYZ color **58.8909, 77.1965, 106.4043** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.6745, 38.6064, 22.7666**, and the grayscale version is **60.9264, 64.0993, 69.8041**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **29.8068, 41.2025, 59.8080** is the 20% darker color. If you saturate the color by 10%, you get **55.2607, 74.5573, 106.0862**, and if you desaturate by 10%, it is **63.4744, 80.3378, 106.7690**.

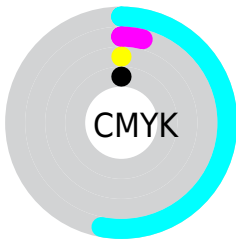
Distribution



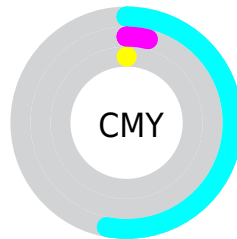
- Red (47%)
- Green (96%)
- Blue (100%)



- Red (47%)
- Yellow (73%)
- 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 58.8909, 77.1965, 106.4043 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 58.8909, 77.1965, 106.4043 by changing the saturation by 10% instead.


 58.8909, 77.1965,
106.4043


 58.8909, 77.1965,
106.4043


410.3980,
485.4337, 601.9572


 42.7713, 57.4142,
81.0131


 102.3346,
129.4168, 172.0590

 29.8995, 41.3379,
60.0213


 130.3895,
162.6236, 213.1597

 19.9100, 28.5832,
43.0104


 163.1535,
201.0740, 260.3339

 12.4375, 18.7657,
29.5618

200.9920,
245.1524, 314.0002

 7.1167, 11.5011,
19.2570

244.2703,
295.2431, 374.5771

 3.5822, 6.4050,
11.6775

293.3539,

 1.4686, 3.0929,

351.7307, 442.4833

6.4046

348.6080,
414.9994, 518.1371

■ 0.3043, 1.1804,
3.0199

■ 0.0000, 0.0456,
1.1048

■ 58.8909, 77.1965,
106.4043

■ 58.8909, 77.1965,
106.4043

■ 55.2607, 74.5573,
106.0862

■ 63.4744, 80.3378,
106.7690

■ 52.5013, 72.3724,
105.8099

■ 69.0727, 84.0076,
107.1823

■ 50.5268, 70.5992,
105.5717

■ 75.7496, 88.2406,
107.6475

■ 49.2309, 69.1829,
105.3666

■ 83.5618, 93.0661,
108.1671

■ 48.5896, 68.2992,
105.2299

■ 92.5621, 98.5112,
108.7438

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.



57.5916, 77.1965, 79.7122



58.8909, 77.1965, 106.4043



63.9374, 77.1965, 130.9105

Triad

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



58.8909, 77.1965, 106.4043



88.2965, 77.1965, 115.6139



74.9266, 77.1965, 44.0300

Complementary

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



58.8909, 77.1965, 106.4043



52.6745, 38.6064, 22.7666

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.



83.6940, 77.1965, 49.9708



58.8909, 77.1965, 106.4043



91.8022, 77.1965, 88.5504

Square

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



58.8909, 77.1965, 106.4043



80.8104, 77.1965, 136.9376



90.0536, 77.1965, 65.0753



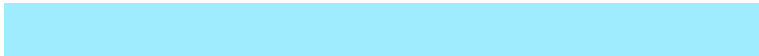
66.4065, 77.1965, 46.9114

Rectangle

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



58.8909, 77.1965, 106.4043



68.9799, 77.1965, 140.8944



90.0536, 77.1965, 65.0753



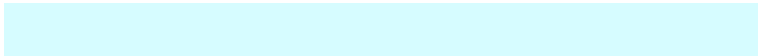
77.9487, 77.1965, 45.0185

Sweetspot

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



58.8930, 77.1993, 106.4047



80.7323, 91.3310, 107.9813



47.6712, 77.1954, 33.4853



16.9333, 19.3346, 23.0894



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.



58.8930, 77.1993, 106.4047



55.1173, 74.4487, 106.0728



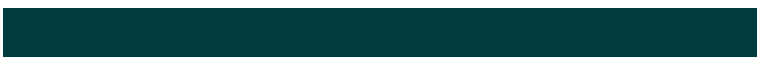
42.0701, 43.5537, 100.7971



18.4443, 20.2602, 23.1884



25.4336, 35.7768, 54.9997



2.5065, 3.5438, 5.3652

Inverse Universe

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



64.7133, 41.5903, 91.8089



61.6356, 35.8725, 89.4342



64.6433, 62.5440, 26.7562



18.7369, 18.2781, 22.4977



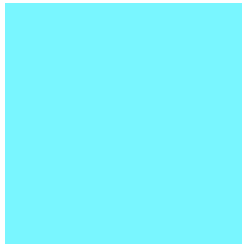
29.6259, 14.3397, 43.5420



2.8998, 1.4023, 4.3197

Previews

White Background



This preview shows how the XYZ color 58.8909, 77.1965, 106.4043 looks on a white background.

Color Contrast Check

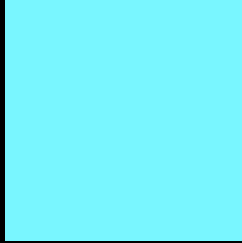
Large Text (above 18pt) WCAG AA × Fail

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 58.8909, 77.1965, 106.4043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

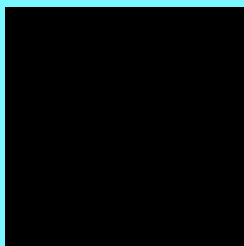
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8909, 77.1965, 106.4043

Background



This preview shows how black text looks on a background with the XYZ color 58.8909, 77.1965, 106.4043.

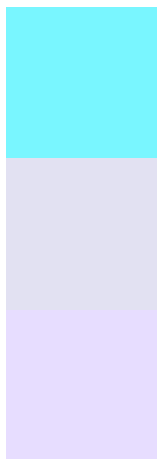


This preview shows how white text looks on a background with the XYZ color 58.8909, 77.1965,

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

58.8909, 77.1965, 106.4043

Protanopia

74.3163, 76.4300, 94.8400

Deuteranopia

76.8614, 75.9218, 105.2111



Tritanopia

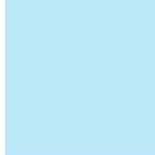
63.5082, 76.9111, 106.1058

Trichromacy



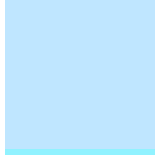
Original Color

58.8909, 77.1965, 106.4043



Protanomaly

66.6665, 75.6846, 99.0906



Deuteranomaly

67.8327, 74.8900, 105.4878



Tritanomaly

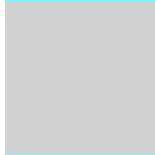
61.4792, 76.7440, 106.1805

Monochromacy



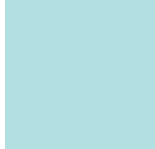
Original Color

58.8909, 77.1965, 106.4043



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

58.4752, 67.7313, 81.9430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8909, 77.1965, 106.4043 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 246, 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(121, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.8909, 77.1965, 106.4043 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, 246, 255) }
```


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

```
.border{ border-color:rgb(121, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8909, 77.1965, 106.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 246, 255) }
```

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

```
.background{ background-color: rgb(121,  
246, 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](#).

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