

Converting Colors

XYZ(59.5068, 77.0299,
106.3397)

Have a look what the booklet for
XYZ(59.5068, 77.0299, 106.3397)
contains.

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Color

**XYZ(59.6045, 77.1140,
106.3507)**

Conversions

Conversions Part 1

Format	Color
Hex	80F5FF
RGB	128, 245, 255
RGB Percent	50%, 96%, 100%
CMY	0.4980, 0.0392, 0.0000
CMYK	0.50, 0.04, 0.00, 0.00
HSL	185°, 100%, 75%
HSV	185°, 50%, 100%
XYZ	59.6045, 77.1140, 106.3507
YIQ	211.1570, -72.9420, -21.6940

Conversions

Conversions Part 2

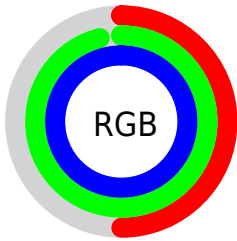
Format	Color
R_{YB}	128, 189, 255
Decimal	8451583
CIE _{Lab}	90.37, -30.54, -15.03
CIE _{LCh}	90, 34.036, 206.213
Yxy	77.1140, 0.2452, 0.3173
Android (android.graphics.Color)	4286641663 (0xFF80F5FF)
YUV	211.1570, 21.6146, -72.9287
Hunter-Lab	87.8146, -32.5179, -10.3349

Details

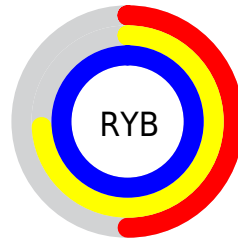
The XYZ color **59.6045, 77.1140, 106.3507** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.2255, 40.9962, 25.4792**, and the grayscale version is **61.9188, 65.1434, 70.9412**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **30.2262, 41.1004, 59.7662** is the 20% darker color. If you saturate the color by 10%, you get **55.6366, 74.1737, 105.9923**, and if you desaturate by 10%, it is **64.5468, 80.5700, 106.7573**.

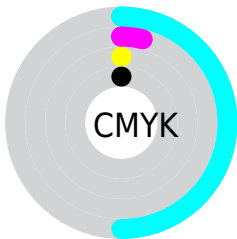
Distribution



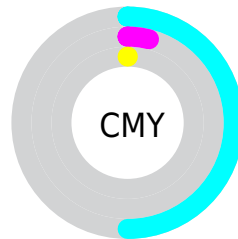
- Red (50%)
- Green (96%)
- Blue (100%)



- Red (50%)
- Yellow (74%)
- Blue (100%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6045, 77.1140, 106.3507 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 59.6045, 77.1140, 106.3507 by changing the saturation by 10% instead.


 59.6045, 77.1140,
106.3507


 59.6045, 77.1140,
106.3507


412.9966,
485.1526, 601.7871

 43.3482, 57.3464,
80.9684


 103.3653,
129.3004, 171.9852

 30.3541, 41.2835,
59.9847


 131.6006,
162.4880, 213.0745

 20.2569, 28.5406,
42.9811


 164.5595,
200.9178, 260.2365

 12.6913, 18.7336,
29.5390

202.6074,
244.9741, 313.8899

 7.2918, 11.4779,
19.2399

246.1097,
295.0413, 374.4531

 3.6932, 6.3893,
11.6652

295.4318,

 1.5301, 3.0832,

351.5039, 442.3446

6.3964

350.9390,
414.7462, 517.9831

■ 0.3462, 1.1753,
3.0149

■ 0.0000, 0.0414,
1.1022

■ 59.6045, 77.1140,
106.3507

■ 59.6045, 77.1140,
106.3507

■ 55.6366, 74.1737,
105.9923

■ 64.5468, 80.5700,
106.7573

■ 52.5633, 71.7025,
105.6773

■ 70.5231, 84.5671,
107.2139

■ 50.3022, 69.6597,
105.4022

■ 77.5959, 89.1393,
107.7236

■ 48.7532, 67.9937,
105.1623

■ 85.8206, 94.3152,
108.2892

■ 47.7555, 66.6216, 95.0500, 100.0000,
104.9500 108.9000

■ 47.7378, 66.5956,
104.9459

Harmonies

Analogous

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



58.1845, 77.1140, 80.9142



59.6045, 77.1140, 106.3507



64.5872, 77.1140, 129.1150

Triad

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



59.6045, 77.1140, 106.3507



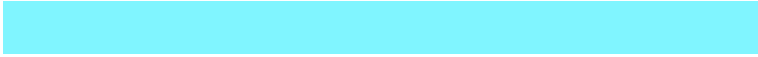
87.7142, 77.1140, 112.7347



74.3779, 77.1140, 45.4245

Complementary

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



59.6045, 77.1140, 106.3507



54.2255, 40.9962, 25.4792

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.



82.7513, 77.1140, 50.7974



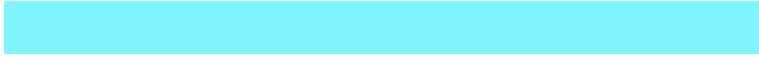
59.6045, 77.1140, 106.3507



90.8172, 77.1140, 87.0896

Square

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



59.6045, 77.1140, 106.3507



80.7432, 77.1140, 133.2722



88.9350, 77.1140, 64.9624



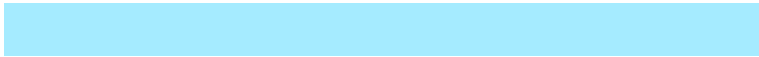
66.3187, 77.1140, 48.6207

Rectangle

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



59.6045, 77.1140, 106.3507



69.4731, 77.1140, 138.0366



88.9350, 77.1140, 64.9624



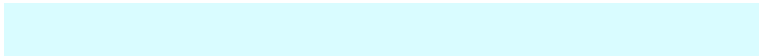
77.2536, 77.1140, 46.2560

Sweetspot

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



59.6066, 77.1169, 106.3512



81.3980, 91.5475, 107.9880



49.1406, 77.9007, 35.9153



17.0581, 19.3649, 23.0887



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.



59.6066, 77.1169, 106.3512



55.5672, 74.1202, 105.9857



43.8941, 45.6918, 101.1137



18.4253, 20.2223, 23.1821



24.9953, 34.9003, 54.8536



2.4685, 3.4678, 5.3525

Inverse Universe

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



65.4420, 43.2927, 91.2965



62.1625, 37.2312, 88.6699



65.7838, 64.1130, 29.3320



18.7273, 18.2742, 22.4473



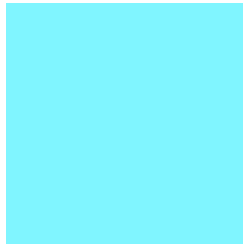
29.4047, 14.2512, 42.3771



2.8806, 1.3946, 4.2187

Previews

White Background



This preview shows how the XYZ color 59.6045, 77.1140, 106.3507 looks on a white background.

Color Contrast Check

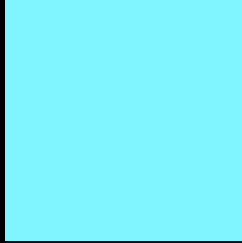
Large Text (above 18pt) WCAG AA × Fail

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 59.6045, 77.1140, 106.3507 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 59.6045, 77.1140, 106.3507

Background



This preview shows how black text looks on a background with the XYZ color 59.6045, 77.1140, 106.3507.

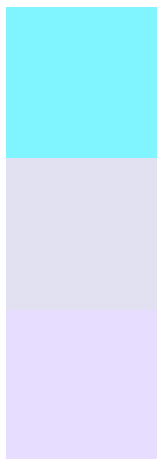


This preview shows how white text looks on a background with the XYZ color 59.6045, 77.1140,

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

59.6045, 77.1140, 106.3507

Protanopia

74.0036, 76.2688, 94.8253

Deuteranopia

76.8614, 75.9218, 105.2111



Tritanopia

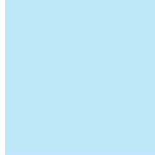
63.7073, 77.0138, 106.1152

Trichromacy



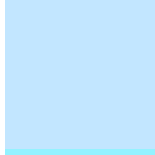
Original Color

59.6045, 77.1140, 106.3507



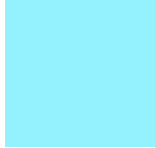
Protanomaly

66.8803, 75.3758, 99.0197



Deuteranomaly

68.5949, 75.2830, 105.5235



Tritanomaly

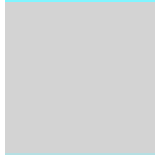
62.0149, 77.0202, 106.2056

Monochromacy



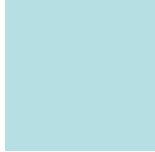
Original Color

59.6045, 77.1140, 106.3507



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.3089, 68.1452, 82.7005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6045, 77.1140, 106.3507 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(128, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 245, 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(128, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.6045, 77.1140, 106.3507 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(128, 245, 255) }
```


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

```
.border{ border-color:rgb(128, 245, 255) }
```

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

Here you see how a box with a 4 pixel rgb(128, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6045, 77.1140, 106.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 245, 255) }
```

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

```
.background{ background-color: rgb(128,  
245, 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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