

Converting Colors

XYZ(59.1600, 77.8973,
106.5254)

Have a look what the booklet for
XYZ(59.1600, 77.8973, 106.5254)
contains.

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Color

**XYZ(59.0565, 77.7346,
106.4994)**

Conversions

Conversions Part 1

Format	Color
Hex	78F7FF
RGB	120, 247, 255
RGB Percent	47%, 97%, 100%
CMY	0.5294, 0.0314, 0.0000
CMYK	0.53, 0.03, 0.00, 0.00
HSL	184°, 100%, 74%
HSV	184°, 53%, 100%
XYZ	59.0565, 77.7346, 106.4994
YIQ	209.9390, -78.2600, -24.4360

Conversions

Conversions Part 2

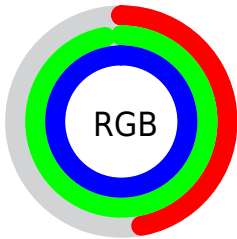
Format	Color
RYB	120, 185, 255
Decimal	7927807
CIELab	90.66, -33.08, -14.64
CIELCh	91, 36.171, 203.867
Yxy	77.7346, 0.2427, 0.3195
Android (android.graphics.Color)	4286117887 (0xFF78F7FF)
YUV	209.9390, 22.2151, -78.8765
Hunter-Lab	88.1672, -34.7291, -9.9008

Details

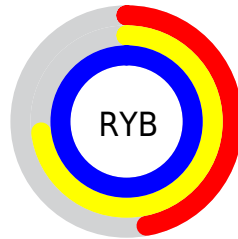
The XYZ color **59.0565, 77.7346, 106.4994** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.3501, 38.0552, 22.3576**, and the grayscale version is **61.1163, 64.2991, 70.0217**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **29.9219, 41.5822, 59.8752** is the 20% darker color. If you saturate the color by 10%, you get **55.5201, 75.2304, 106.2024**, and if you desaturate by 10%, it is **63.5423, 80.7374, 106.8426**.

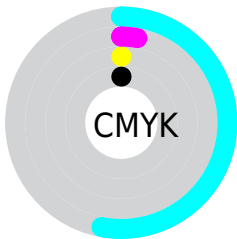
Distribution



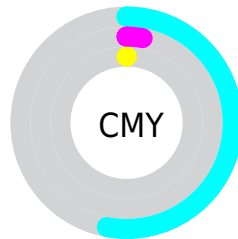
- Red (47%)
- Green (97%)
- Blue (100%)



- Red (47%)
- Yellow (73%)
- Blue (100%)



- Cyan (53%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0565, 77.7346, 106.4994 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 59.0565, 77.7346, 106.4994 by changing the saturation by 10% instead.

59.0565, 77.7346,
106.4994

59.0565, 77.7346,
106.4994

411.0020,
487.2650, 602.2591

42.9051, 57.8560,
81.0924

102.5739,
130.1759, 172.1900

30.0049, 41.6929,
60.0863

130.6707,
163.5074, 213.3108

19.9904, 28.8609,
43.0624

163.4800,
202.0920, 260.5065

12.4963, 18.9756,
29.6023

201.3672,
246.3141, 314.1958

7.1572, 11.6527,
19.2875

244.6977,
296.5580, 374.7972

3.6078, 6.5076,
11.6993

293.8367,

1.4827, 3.1561,

353.2082, 442.7292

6.4192

349.1497,
416.6491, 518.4103

■ 0.3141, 1.2138,
3.0287

■ 0.0000, 0.0729,
1.1093

■ 59.0565, 77.7346,
106.4994

■ 59.0565, 77.7346,
106.4994

■ 55.5201, 75.2304,
106.2024

■ 63.5423, 80.7374,
106.8426

■ 52.8503, 73.1766,
105.9467

■ 69.0393, 84.2653,
107.2338

■ 50.9606, 71.5306,
105.7286

■ 75.6116, 88.3531,
107.6764

■ 49.7437, 70.2369,
105.5430

■ 83.3159, 93.0300,
108.1731

■ 49.1794, 69.4787,
105.4265

■ 92.2052, 98.3235,
108.7263

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.



57.8661, 77.7346, 79.4156



59.0565, 77.7346, 106.4994



64.0710, 77.7346, 131.7251

Triad

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



59.0565, 77.7346, 106.4994



88.8832, 77.7346, 117.6375



75.7631, 77.7346, 44.0597

Complementary

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



59.0565, 77.7346, 106.4994



52.3501, 38.0552, 22.3576

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.



84.6519, 77.7346, 50.3707



59.0565, 77.7346, 106.4994



92.6155, 77.7346, 90.0882

Square

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



59.0565, 77.7346, 106.4994



81.1677, 77.7346, 139.0211



91.0072, 77.7346, 65.9968



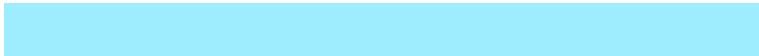
67.0504, 77.7346, 46.6892

Rectangle

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



59.0565, 77.7346, 106.4994



69.1439, 77.7346, 142.2537



91.0072, 77.7346, 65.9968



78.8368, 77.7346, 45.1564

Sweetspot

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



59.0586, 77.7375, 106.4999



80.8338, 91.5340, 108.0152



47.3215, 77.0395, 32.3715



16.9577, 19.3836, 23.0976



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.



59.0586, 77.7375, 106.4999



55.1970, 74.9916, 106.1734



42.2704, 44.1612, 100.9038



18.4573, 20.2862, 23.1928



25.7370, 36.3835, 55.1008



2.5328, 3.5963, 5.3739

Inverse Universe

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



64.7464, 41.4101, 92.5793



61.5822, 35.4926, 90.2581



63.9787, 61.3125, 26.2338



18.7435, 18.2807, 22.5322



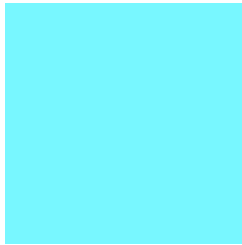
29.7790, 14.4009, 44.3483



2.9131, 1.4076, 4.3895

Previews

White Background



This preview shows how the XYZ color 59.0565, 77.7346, 106.4994 looks on a white background.

Color Contrast Check

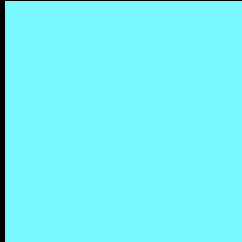
Large Text (above 18pt) WCAG AA × Fail

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 59.0565, 77.7346, 106.4994 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 59.0565, 77.7346, 106.4994

Background



This preview shows how black text looks on a background with the XYZ color 59.0565, 77.7346, 106.4994.

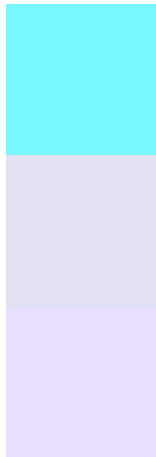


This preview shows how white text looks on a background with the XYZ color 59.0565, 77.7346,

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

59.0565, 77.7346, 106.4994

Protanopia

74.1664, 76.3701, 94.0510

Deuteranopia

77.4500, 76.6184, 105.3145



Tritanopia

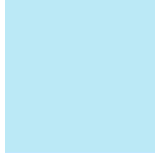
63.9080, 77.1172, 106.1245

Trichromacy



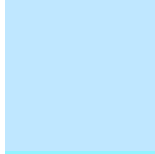
Original Color

59.0565, 77.7346, 106.4994



Protanomaly

66.2670, 75.4964, 98.2684



Deuteranomaly

68.1118, 75.4482, 105.5808



Tritanomaly

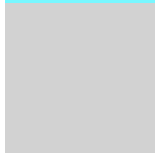
61.9547, 77.4322, 106.2883

Monochromacy



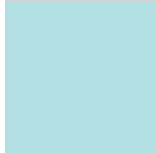
Original Color

59.0565, 77.7346, 106.4994



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

58.2466, 67.6135, 81.9323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0565, 77.7346, 106.4994 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(120, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 247, 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(120, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.0565, 77.7346, 106.4994 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(120, 247, 255) }
```


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

```
.border{ border-color:rgb(120, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0565, 77.7346, 106.4994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 247, 255) }
```

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

```
.background{ background-color: rgb(120,  
247, 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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