

Converting Colors

XYZ(59.3711, 75.1052,
105.9753)

Have a look what the booklet for
XYZ(59.3711, 75.1052, 105.9753)
contains.

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Color

**XYZ(59.4970, 75.2815,
106.0027)**

Conversions

Conversions Part 1

Format	Color
Hex	87F1FF
RGB	135, 241, 255
RGB Percent	53%, 95%, 100%
CMY	0.4706, 0.0549, 0.0000
CMYK	0.47, 0.05, 0.00, 0.00
HSL	187°, 100%, 76%
HSV	187°, 47%, 100%
XYZ	59.4970, 75.2815, 106.0027
YIQ	210.9020, -67.6700, -18.1180

Conversions

Conversions Part 2

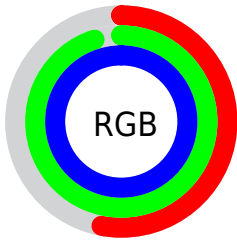
Format	Color
RYB	135, 191, 255
Decimal	8909311
CIELab	89.52, -27.13, -16.28
CIELCh	90, 31.642, 210.968
Yxy	75.2815, 0.2471, 0.3127
Android (android.graphics.Color)	4287099391 (0xFF87F1FF)
YUV	210.9020, 21.7403, -66.5661
Hunter-Lab	86.7649, -29.4364, -11.7005

Details

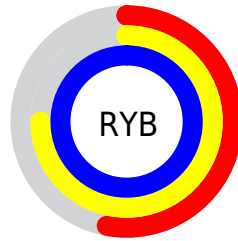
The XYZ color **59.4970, 75.2815, 106.0027** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.3613, 44.5049, 28.5435**, and the grayscale version is **61.7472, 64.9629, 70.7446**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **30.2897, 40.1916, 59.5874** is the 20% darker color. If you saturate the color by 10%, you get **55.0022, 71.6697, 105.5425**, and if you desaturate by 10%, it is **64.9926, 79.4341, 106.5146**.

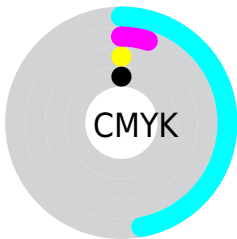
Distribution



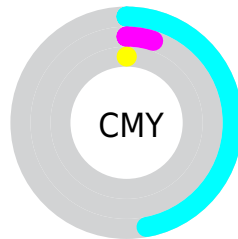
- Red (53%)
- Green (95%)
- Blue (100%)



- Red (53%)
- Yellow (75%)
- Blue (100%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4970, 75.2815, 106.0027 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 59.4970, 75.2815, 106.0027 by changing the saturation by 10% instead.

59.4970, 75.2815,
106.0027

59.4970, 75.2815,
106.0027

412.6058,
478.8846, 600.6815

43.2612, 55.8435,
80.6783

103.2102,
126.7108, 171.5057

30.2856, 40.0775,
59.7472

131.4183,
159.4708, 212.5213

20.2046, 27.5990,
42.7910

164.3479,
197.4404, 259.6044

12.6530, 18.0236,
29.3910

202.3643,
241.0039, 313.1736

7.2654, 10.9669,
19.1287

245.8330,
290.5456, 373.6474

3.6764, 6.0446,
11.5855

295.1192,

1.5207, 2.8722,

346.4501, 441.4442

6.3430

350.5883,
409.1016, 516.9828

■ 0.3399, 1.0654,
2.9826

■ 0.0000, 0.0000,
1.0858

■ 59.4970, 75.2815,
106.0027

■ 59.4970, 75.2815,
106.0027

■ 55.0022, 71.6697,
105.5425

■ 64.9926, 79.4341,
106.5146

■ 51.4308, 68.5534,
105.1292

■ 71.5473, 84.1523,
107.0798

■ 48.7039, 65.8936,
104.7595

■ 79.2219, 89.4694,
107.7016

■ 46.7262, 63.6411,
104.4290

■ 88.0710, 95.4137,
108.3826

■ 45.3763, 61.7332, 95.0500, 100.0000,
104.1319 108.9000

■ 45.0447, 61.2095,
104.0482

Harmonies

Analogous

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



57.6364, 75.2815, 82.6931



59.4970, 75.2815, 106.0027



64.5477, 75.2815, 125.3362

Triad

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



59.4970, 75.2815, 106.0027



85.4197, 75.2815, 104.5247



71.3009, 75.2815, 46.2126

Complementary

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



59.4970, 75.2815, 106.0027



56.3613, 44.5049, 28.5435

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.



79.0473, 75.2815, 49.9735



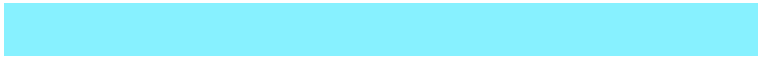
59.4970, 75.2815, 106.0027



87.5463, 75.2815, 81.2486

Square

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



59.4970, 75.2815, 106.0027



79.5150, 75.2815, 124.3800



85.1362, 75.2815, 61.8734



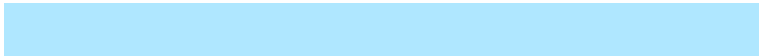
64.1407, 75.2815, 50.4946

Rectangle

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



59.4970, 75.2815, 106.0027



69.2340, 75.2815, 131.8753



85.1362, 75.2815, 61.8734



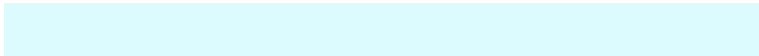
73.9229, 75.2815, 46.5713

Sweetspot

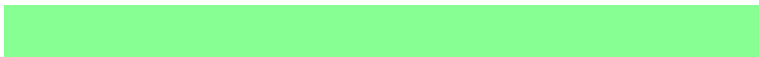
The Sweet Spot groups the original color and five complimentary colors.



59.4990, 75.2843, 106.0031



81.7997, 91.2186, 107.9034



51.0194, 78.7781, 40.1225



17.1166, 19.2589, 23.0652



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

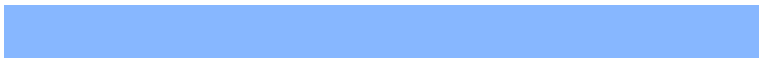
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.4990, 75.2843, 106.0031



55.4323, 72.0274, 105.5888



44.9768, 46.2397, 101.1624



18.3633, 20.0983, 23.1615



23.6088, 32.1272, 54.3914



2.3478, 3.2262, 5.3123

Inverse Universe

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



65.7825, 44.9406, 88.4295



62.5395, 39.0858, 85.4022



67.9269, 67.6362, 32.3987



18.6960, 18.2617, 22.2825



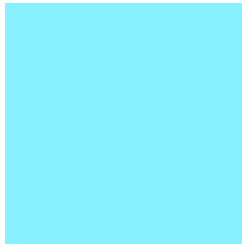
28.7048, 13.9712, 38.6917



2.8197, 1.3702, 3.8977

Previews

White Background



This preview shows how the XYZ color 59.4970, 75.2815, 106.0027 looks on a white background.

Color Contrast Check

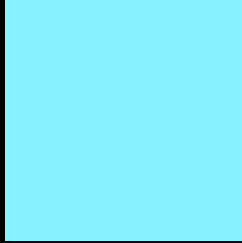
Large Text (above 18pt) WCAG AA × Fail

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 59.4970, 75.2815, 106.0027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

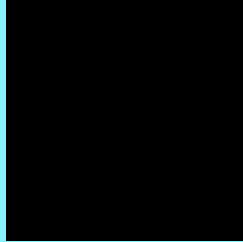
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4970, 75.2815, 106.0027

Background



This preview shows how black text looks on a background with the XYZ color 59.4970, 75.2815, 106.0027.

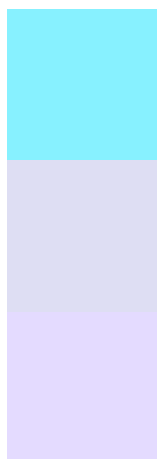


This preview shows how white text looks on a background with the XYZ color 59.4970, 75.2815,

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

59.4970, 75.2815, 106.0027

Protanopia

72.4231, 74.2432, 95.3073

Deuteranopia

75.3764, 74.3770, 104.9912



Tritanopia

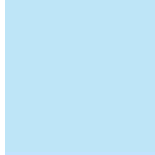
61.5734, 75.0445, 105.8475

Trichromacy



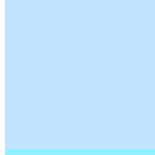
Original Color

59.4970, 75.2815, 106.0027



Protanomaly

66.0430, 73.7012, 98.7406



Deuteranomaly

67.7672, 73.6275, 105.2476



Tritanomaly

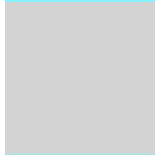
60.7706, 75.0640, 105.8936

Monochromacy



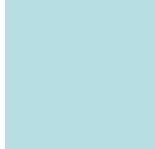
Original Color

59.4970, 75.2815, 106.0027



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.5148, 67.8559, 82.6338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4970, 75.2815, 106.0027 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(135, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 241, 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(135, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.4970, 75.2815, 106.0027 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(135, 241, 255) }
```


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

```
.border{ border-color:rgb(135, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4970, 75.2815, 106.0027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 241, 255) }
```

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

```
.background{ background-color: rgb(135,  
241, 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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