

Converting Colors

XYZ(59.8218, 75.4490,
106.0179)

Have a look what the booklet for
XYZ(59.8218, 75.4490, 106.0179)
contains.

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Color

**XYZ(59.8218, 75.4490,
106.0179)**

Conversions

Conversions Part 1

Format	Color
Hex	89F1FF
RGB	137, 241, 255
RGB Percent	54%, 95%, 100%
CMY	0.4627, 0.0549, 0.0000
CMYK	0.46, 0.05, 0.00, 0.00
HSL	187°, 100%, 77%
HSV	187°, 46%, 100%
XYZ	59.8218, 75.4490, 106.0179
YIQ	211.5000, -66.4780, -17.6940

Conversions

Conversions Part 2

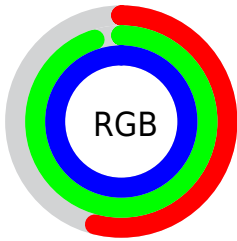
Format	Color
RYB	137, 192, 255
Decimal	9040383
CIELab	89.60, -26.69, -16.16
CIELCh	90, 31.201, 211.186
Yxy	75.4490, 0.2479, 0.3127
Android (android.graphics.Color)	4287230463 (0xFF89F1FF)
YUV	211.5000, 21.4455, -65.3365
Hunter-Lab	86.8614, -29.0737, -11.5629

Details

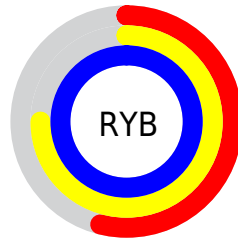
The XYZ color **59.8218, 75.4490, 106.0179** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.8225, 45.1998, 29.3983**, and the grayscale version is **62.1435, 65.3797, 71.1985**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **30.5225, 40.3116, 59.5983** is the 20% darker color. If you saturate the color by 10%, you get **55.2378, 71.7695, 105.5493**, and if you desaturate by 10%, it is **65.4124, 79.6731, 106.5386**.

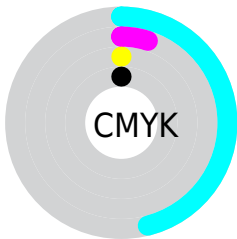
Distribution



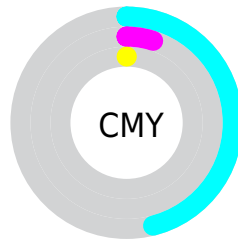
- Red (54%)
- Green (95%)
- Blue (100%)



- Red (54%)
- Yellow (75%)
- Blue (100%)



- Cyan (46%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8218, 75.4490, 106.0179 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 59.8218, 75.4490, 106.0179 by changing the saturation by 10% instead.


 59.8218, 75.4490,
106.0179


 59.8218, 75.4490,
106.0179


413.7859,
479.4594, 600.7298

 43.5239, 55.9808,
80.6910


 103.6789,
126.9477, 171.5266

 30.4927, 40.1875,
59.7576


 131.9689,
159.7471, 212.5455

 20.3628, 27.6848,
42.7993


164.9870,
197.7589, 259.6321

 12.7688, 18.0882,
29.3974

203.0985,
241.3676, 313.2049

 7.3455, 11.0133,
19.1335

246.6687,
290.9577, 373.6826

 3.7273, 6.0758,
11.5890

296.0632,

 1.5491, 2.8912,

346.9134, 441.4836

6.3454

351.6471,
409.6192, 517.0265

■ 0.3588, 1.0752,
2.9840

■ 0.0000, 0.0000,
1.0865

■ 59.8218, 75.4490,
106.0179

■ 59.8218, 75.4490,
106.0179

■ 55.2378, 71.7695,
105.5493

■ 65.4124, 79.6731,
106.5386

■ 51.5836, 68.5894,
105.1281

■ 72.0674, 84.4662,
107.1130

■ 48.7811, 65.8703,
104.7510

■ 79.8472, 89.8615,
107.7444

■ 46.7365, 63.5637,
104.4135

■ 88.8060, 95.8870,
108.4352

■ 45.3329, 61.6092, 95.0500, 100.0000,
104.1102 108.9000

■ 44.9086, 60.9372,
104.0029

Harmonies

Analogous

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



57.9559, 75.4490, 83.0283



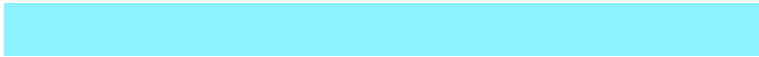
59.8218, 75.4490, 106.0179



64.8369, 75.4490, 124.9891

Triad

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



59.8218, 75.4490, 106.0179



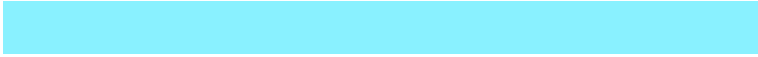
85.4242, 75.4490, 104.2336



71.4073, 75.4490, 46.7482

Complementary

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



59.8218, 75.4490, 106.0179



56.8225, 45.1998, 29.3983

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.



79.0568, 75.4490, 50.4251



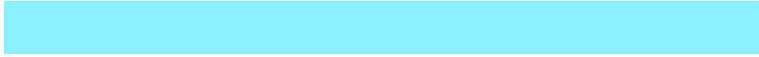
59.8218, 75.4490, 106.0179



87.4888, 75.4490, 81.2802

Square

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



59.8218, 75.4490, 106.0179



79.6222, 75.4490, 123.8365



85.0818, 75.4490, 62.1654



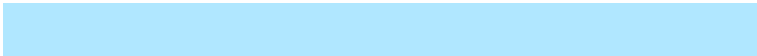
64.3439, 75.4490, 51.0590

Rectangle

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



59.8218, 75.4490, 106.0179



69.4761, 75.4490, 131.3514



85.0818, 75.4490, 62.1654



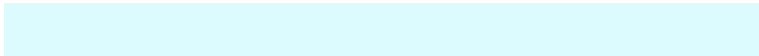
73.9954, 75.4490, 47.0853

Sweetspot

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



59.8239, 75.4518, 106.0183



81.7777, 91.1746, 107.8960



51.6447, 79.0657, 41.7200



17.1112, 19.2481, 23.0634



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.



59.8239, 75.4518, 106.0183



55.3501, 71.8630, 105.5614



45.1437, 46.0916, 101.1250



18.3601, 20.0918, 23.1604



23.5387, 31.9870, 54.3681



2.3416, 3.2140, 5.3102

Inverse Universe

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



66.0642, 45.5038, 88.5235



62.4980, 39.0692, 85.1837



68.7452, 69.0453, 33.3726



18.6944, 18.2611, 22.2739



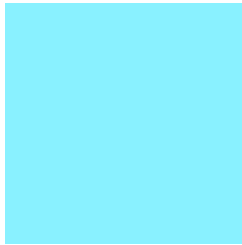
28.6694, 13.9571, 38.5053



2.8166, 1.3690, 3.8814

Previews

White Background



This preview shows how the XYZ color 59.8218, 75.4490, 106.0179 looks on a white background.

Color Contrast Check

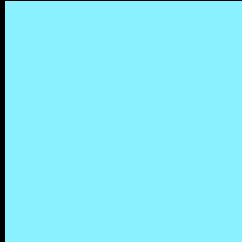
Large Text (above 18pt) WCAG AA × Fail

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 59.8218, 75.4490, 106.0179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

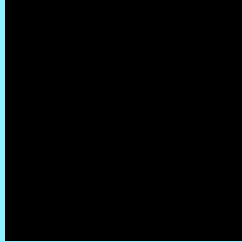
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.8218, 75.4490, 106.0179

Background



This preview shows how black text looks on a background with the XYZ color 59.8218, 75.4490, 106.0179.

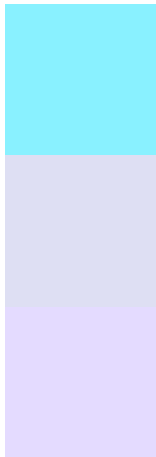


This preview shows how white text looks on a background with the XYZ color 59.8218, 75.4490,

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

59.8218, 75.4490, 106.0179

Protanopia

72.6895, 74.7760, 95.3961

Deuteranopia

75.3764, 74.3770, 104.9912



Tritanopia

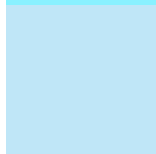
61.9510, 75.2391, 105.8652

Trichromacy



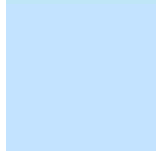
Original Color

59.8218, 75.4490, 106.0179



Protanomaly

66.5712, 74.3854, 98.8448



Deuteranomaly

68.0248, 73.7603, 105.2596



Tritanomaly

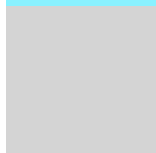
61.1292, 75.2489, 105.9104

Monochromacy



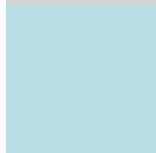
Original Color

59.8218, 75.4490, 106.0179



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.3989, 68.6911, 83.4741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8218, 75.4490, 106.0179 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(137, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.8218, 75.4490, 106.0179 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(137, 241, 255) }
```


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

```
.border{ border-color:rgb(137, 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(137, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8218, 75.4490, 106.0179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 241, 255) }
```

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

```
.background{ background-color: rgb(137,  
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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