

Converting Colors

XYZ(61.1788, 76.3034,
116.8787)

Have a look what the booklet for
XYZ(61.1788, 76.3034, 116.8787)
contains.

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Color

**XYZ(59.1622, 75.5496,
106.0721)**

Conversions

Conversions Part 1

Format	Color
Hex	83F2FF
RGB	131, 242, 255
RGB Percent	51%, 95%, 100%
CMY	0.4863, 0.0510, 0.0000
CMYK	0.49, 0.05, 0.00, 0.00
HSL	186°, 100%, 76%
HSV	186°, 49%, 100%
XYZ	59.1622, 75.5496, 106.0721
YIQ	210.2930, -70.3290, -19.4890

Conversions

Conversions Part 2

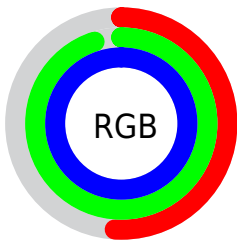
Format	Color
RYB	131, 190, 255
Decimal	8647423
CIELab	89.65, -28.47, -16.11
CIELCh	90, 32.716, 209.498
Yxy	75.5496, 0.2457, 0.3138
Android (android.graphics.Color)	4286837503 (0xFF83F2FF)
YUV	210.2930, 22.0406, -69.5400
Hunter-Lab	86.9193, -30.6115, -11.5112

Details

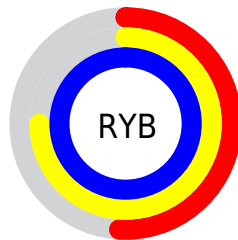
The XYZ color **59.1622, 75.5496, 106.0721** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.3106, 42.8458, 26.8295**, and the grayscale version is **61.3458, 64.5405, 70.2846**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **30.1358, 40.4240, 59.6404** is the 20% darker color. If you saturate the color by 10%, you get **54.8989, 72.1812, 105.6466**, and if you desaturate by 10%, it is **64.4130, 79.4478, 106.5478**.

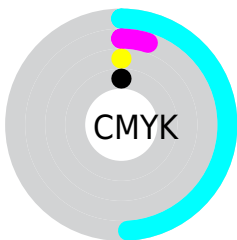
Distribution



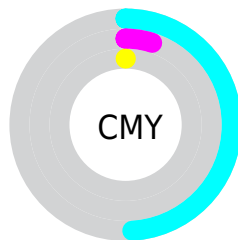
- Red (51%)
- Green (95%)
- Blue (100%)



- Red (51%)
- Yellow (75%)
- Blue (100%)



- Cyan (49%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1622, 75.5496, 106.0721 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 59.1622, 75.5496, 106.0721 by changing the saturation by 10% instead.

59.1622, 75.5496,
106.0721

59.1622, 75.5496,
106.0721

411.3871,
479.8045, 600.9020

42.9906, 56.0633,
80.7362

102.7266,
127.0900, 171.6013

30.0722, 40.2536,
59.7946

130.8502,
159.9129, 212.6316

20.0417, 27.7364,
42.8289

163.6884,
197.9501, 259.7305

12.5338, 18.1270,
29.4205

201.6066,
241.5860, 313.3165

7.1831, 11.0412,
19.1508

244.9703,
291.2050, 373.8081

3.6242, 6.0946,
11.6014

294.1447,

1.4918, 2.9027,

347.1915, 441.6239

6.3536

349.4952,
409.9299, 517.1823

■ 0.3203, 1.0811,
2.9890

■ 0.0000, 0.0000,
1.0890

■ 59.1622, 75.5496,
106.0721

■ 59.1622, 75.5496,
106.0721

■ 54.8989, 72.1812,
105.6466

■ 64.4130, 79.4478,
106.5478

■ 51.5442, 69.2966,
105.2667

■ 70.7104, 83.9012,
107.0755

■ 49.0174, 66.8560,
104.9288

■ 78.1160, 88.9432,
107.6584

■ 47.2205, 64.8087,
104.6283

■ 86.6850, 94.6025,
108.2991

■ 46.0139, 63.0826, 95.0500, 100.0000,
104.3587 108.9000

■ 45.8686, 62.8573,
104.3229

Harmonies

Analogous

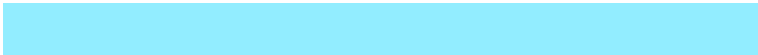
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.4170, 75.5496, 81.8731



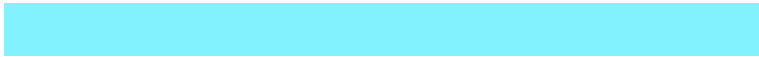
59.1622, 75.5496, 106.0721



64.2353, 75.5496, 126.6646

Triad

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



59.1622, 75.5496, 106.0721



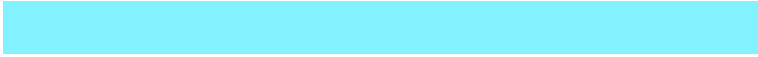
85.9847, 75.5496, 106.8707



71.9433, 75.5496, 45.4228

Complementary

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



59.1622, 75.5496, 106.0721



55.3106, 42.8458, 26.8295

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.



79.9528, 75.5496, 49.6763



59.1622, 75.5496, 106.0721



88.4217, 75.5496, 82.6495

Square

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



59.1622, 75.5496, 106.0721



79.7008, 75.5496, 127.1829



86.1376, 75.5496, 62.3094



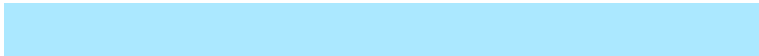
64.4535, 75.5496, 49.3995

Rectangle

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



59.1622, 75.5496, 106.0721



69.0236, 75.5496, 133.9904



86.1376, 75.5496, 62.3094



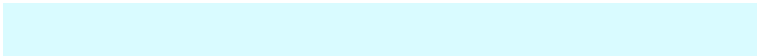
74.6655, 75.5496, 45.9232

Sweetspot

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



59.1642, 75.5524, 106.0725



81.0854, 90.9222, 107.8838



50.1096, 78.3412, 38.6280



16.9820, 19.2126, 23.0633



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

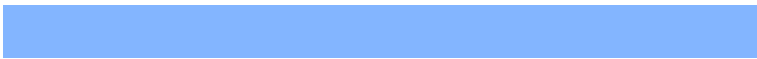
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.1642, 75.5524, 106.0725



55.1381, 72.3773, 105.6719



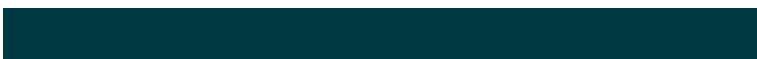
43.8542, 44.9324, 100.9692



18.3826, 20.1369, 23.1679



24.0332, 32.9759, 54.5329



2.3848, 3.3003, 5.3246

Inverse Universe

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



65.3847, 43.9051, 89.0360



62.1619, 38.0578, 86.1176



67.2648, 66.7541, 30.8143



18.7058, 18.2656, 22.3338



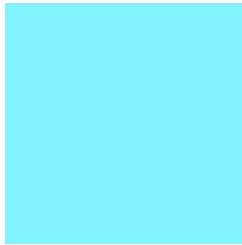
28.9190, 14.0569, 39.8196



2.8384, 1.3777, 3.9962

Previews

White Background



This preview shows how the XYZ color 59.1622, 75.5496, 106.0721 looks on a white background.

Color Contrast Check

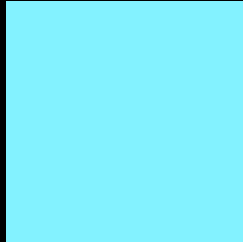
Large Text (above 18pt) WCAG AA × Fail

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 59.1622, 75.5496, 106.0721 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 59.1622, 75.5496, 106.0721

Background



This preview shows how black text looks on a background with the XYZ color 59.1622, 75.5496, 106.0721.

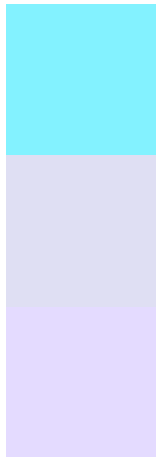


This preview shows how white text looks on a background with the XYZ color 59.1622, 75.5496,

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

59.1622, 75.5496, 106.0721

Protanopia

72.9968, 74.9344, 95.4105

Deuteranopia

75.3764, 74.3770, 104.9912



Tritanopia

61.7614, 75.1414, 105.8563

Trichromacy



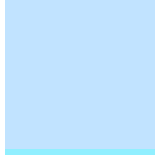
Original Color

59.1622, 75.5496, 106.0721



Protanomaly

66.3205, 74.2562, 98.8331



Deuteranomaly

67.5114, 73.4956, 105.2356



Tritanomaly

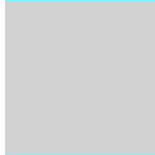
60.5936, 74.9727, 105.8853

Monochromacy



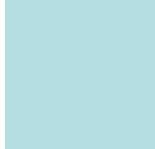
Original Color

59.1622, 75.5496, 106.0721



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

58.9048, 67.5573, 81.8868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1622, 75.5496, 106.0721 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(131, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 242, 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(131, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.1622, 75.5496, 106.0721 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(131, 242, 255) }
```


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

```
.border{ border-color:rgb(131, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1622, 75.5496, 106.0721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 242, 255) }
```

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

```
.background{ background-color: rgb(131,  
242, 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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