

Converting Colors

XYZ(59.2979, 70.2144,
105.0351)

Have a look what the booklet for
XYZ(59.2979, 70.2144, 105.0351)
contains.

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Color

**XYZ(59.2062, 70.0309,
105.0046)**

Conversions

Conversions Part 1

Format	Color
Hex	99E5FF
RGB	153, 229, 255
RGB Percent	60%, 90%, 100%
CMY	0.4000, 0.1019, 0.0000
CMYK	0.40, 0.10, 0.00, 0.00
HSL	195°, 100%, 80%
HSV	195°, 40%, 100%
XYZ	59.2062, 70.0309, 105.0046
YIQ	209.2400, -53.6420, -8.0260

Conversions

Conversions Part 2

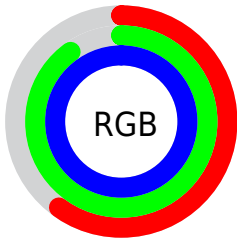
Format	Color
R _Y B	153, 197, 255
Decimal	10085887
CIE Lab	87.01, -17.00, -19.99
CIE LCh	87, 26.240, 229.622
Yxy	70.0309, 0.2528, 0.2990
Android (android.graphics.Color)	4288275967 (0xFF99E5FF)
YUV	209.2400, 22.5597, -49.3225
Hunter-Lab	83.6845, -20.1603, -15.8161

Details

The XYZ color **59.2062, 70.0309, 105.0046** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **63.1104, 55.8006, 37.5833**, and the grayscale version is **60.6451, 63.8034, 69.4819**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **29.9605, 36.4512, 58.8828** is the 20% darker color. If you saturate the color by 10%, you get **53.1332, 64.2818, 104.2150**, and if you desaturate by 10%, it is **66.3787, 76.4500, 105.8655**.

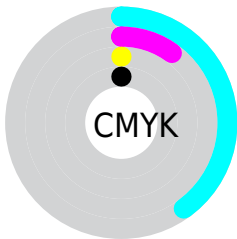
Distribution



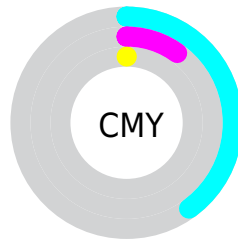
- Red (60%)
- Green (90%)
- Blue (100%)



- Red (60%)
- Yellow (77%)
- Blue (100%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2062, 70.0309, 105.0046 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 59.2062, 70.0309, 105.0046 by changing the saturation by 10% instead.

■ 59.2062, 70.0309,
105.0046

■ 59.2062, 70.0309,
105.0046

411.5474,
460.6585, 597.5047

■ 43.0261, 51.5517,
79.8465

■ 102.7902,
119.2528, 170.1294

■ 30.1002, 36.6479,
59.0666

■ 130.9249,
150.7644, 210.9333

■ 20.0631, 24.9350,
42.2464

163.7751,
187.3888, 257.7895

■ 12.5495, 16.0286,
28.9673

201.7063,
229.5106, 311.1166

■ 7.1939, 9.5444,
18.8107

245.0837,
277.5140, 371.3331

■ 3.6311, 5.0979,
11.3581

294.2728,

■ 1.4956, 2.3048,

331.7835, 438.8576

6.1911

349.6390,
392.7036, 514.1086

■ 0.3228, 0.7763,
2.8910

■ 0.0000, 0.0000,
1.0392

■ 59.2062, 70.0309,
105.0046

■ 59.2062, 70.0309,
105.0046

■ 53.1332, 64.2818,
104.2150

■ 66.3787, 76.4500,
105.8655

■ 48.0872, 59.1594,
103.4922

■ 74.7060, 83.5638,
106.7997

■ 43.9955, 54.6268,
102.8330

■ 84.2463, 91.4050,
107.8104

■ 40.7730, 50.6389,
102.2331

95.0500, 100.0000,
108.9000

■ 38.3180, 47.1422,
101.6875

■ 36.4652, 44.0503,
101.1884

■ 36.4649, 44.0498,
101.1883

Harmonies

Analogous

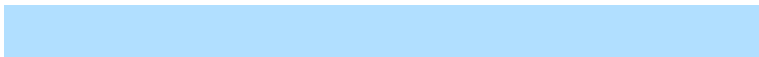
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.0538, 70.0309, 88.1738



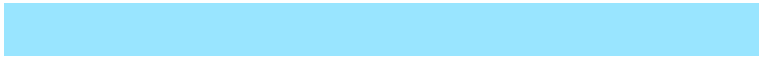
59.2062, 70.0309, 105.0046



64.4590, 70.0309, 114.5615

Triad

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



59.2062, 70.0309, 105.0046



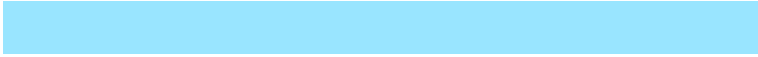
78.8581, 70.0309, 82.5035



62.6774, 70.0309, 48.6419

Complementary

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



59.2062, 70.0309, 105.0046



63.1104, 55.8006, 37.5833

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.



68.7108, 70.0309, 47.6046



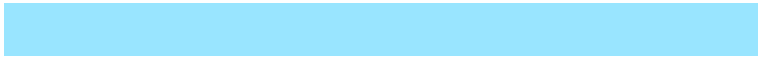
59.2062, 70.0309, 105.0046



78.3083, 70.0309, 65.4559

Square

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



59.2062, 70.0309, 105.0046



75.9630, 70.0309, 100.3090



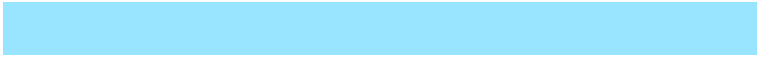
74.5037, 70.0309, 53.2944



57.9710, 70.0309, 56.3857

Rectangle

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



59.2062, 70.0309, 105.0046



68.5544, 70.0309, 114.6631



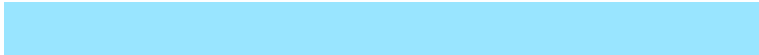
74.5037, 70.0309, 53.2944



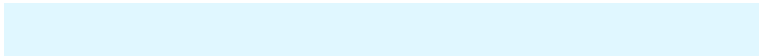
64.6092, 70.0309, 47.5481

Sweetspot

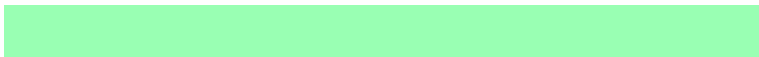
The Sweet Spot groups the original color and five complimentary colors.



59.2081, 70.0335, 105.0050



82.2368, 89.7757, 107.6018



56.9843, 81.5274, 55.1180



17.3272, 18.9916, 23.0025



0.0000, 0.0000, 0.0000



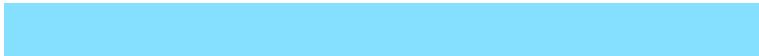
20.3446, 21.4041, 23.3091

Same Dimension

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



59.2081, 70.0335, 105.0050



54.2626, 65.3796, 104.3673



47.2085, 46.0343, 101.0051



18.1399, 19.6514, 23.0870



19.1798, 23.2692, 52.9151



1.9550, 2.4407, 5.1813

Inverse Universe

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



66.7754, 49.7014, 80.2054



63.0007, 43.2969, 75.4178



75.1483, 79.8764, 41.5960



18.5833, 18.2166, 21.6886



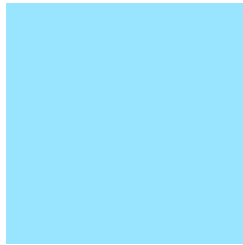
26.4693, 13.0770, 26.9195



2.6214, 1.2909, 2.8537

Previews

White Background



This preview shows how the XYZ color 59.2062, 70.0309, 105.0046 looks on a white background.

Color Contrast Check

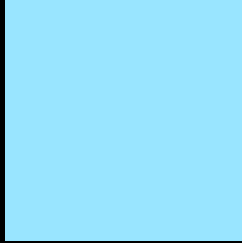
Large Text (above 18pt) WCAG AA × Fail

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 59.2062, 70.0309, 105.0046 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 59.2062, 70.0309, 105.0046

Background



This preview shows how black text looks on a background with the XYZ color 59.2062, 70.0309, 105.0046.

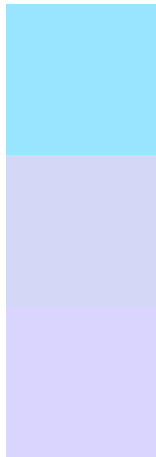


This preview shows how white text looks on a background with the XYZ color 59.2062, 70.0309,

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

59.2062, 70.0309, 105.0046

Protanopia

68.0864, 69.2517, 96.9672

Deuteranopia

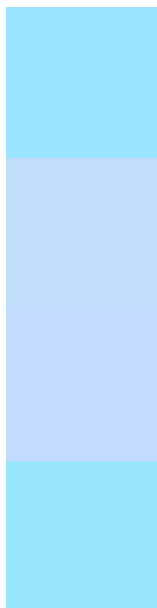
70.7577, 69.7139, 104.3345



Tritanopia

58.1582, 70.0125, 100.0710

Trichromacy



Original Color

59.2062, 70.0309, 105.0046

Protanomaly

64.1779, 69.1023, 99.5781

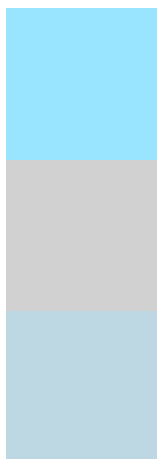
Deuteranomaly

65.6297, 69.3524, 104.5350

Tritanomaly

58.6583, 70.2341, 101.7317

Monochromacy



Original Color

59.2062, 70.0309, 105.0046

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.2696, 65.4215, 81.4553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2062, 70.0309, 105.0046 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(153, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 229, 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(153, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.2062, 70.0309, 105.0046 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(153, 229, 255) }
```


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

```
.border{ border-color:rgb(153, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2062, 70.0309, 105.0046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 229, 255) }
```

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

```
.background{ background-color: rgb(153,  
229, 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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