

Converting Colors

XYZ(65.8633, 71.8292,
139.9972)

Have a look what the booklet for
XYZ(65.8633, 71.8292, 139.9972)
contains.

XYZ(59.2294, 69.2261, 104.8480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.2294, 69.2261,
104.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	9CE3FF
RGB	156, 227, 255
RGB Percent	61%, 89%, 100%
CMY	0.3882, 0.1098, 0.0000
CMYK	0.39, 0.11, 0.00, 0.00
HSL	197°, 100%, 81%
HSV	197°, 39%, 100%
XYZ	59.2294, 69.2261, 104.8480
YIQ	208.9630, -51.3040, -6.3440

Conversions

Conversions Part 2

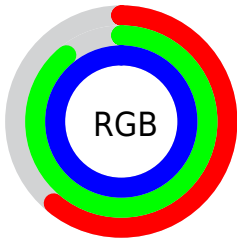
Format	Color
R _Y B	156, 197, 255
Decimal	10281983
CIE _{Lab}	86.62, -15.24, -20.57
CIE _{LCh}	87, 25.602, 233.479
Y _{xy}	69.2261, 0.2539, 0.2967
Android (android.graphics.Color)	4288472063 (0xFF9CE3FF)
YUV	208.9630, 22.6962, -46.4486
Hunter-Lab	83.2022, -18.5346, -16.4732

Details

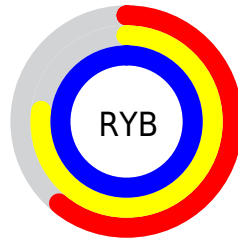
The XYZ color **59.2294, 69.2261, 104.8480** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **64.3817, 57.9416, 39.2450**, and the grayscale version is **60.4626, 63.6114, 69.2728**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **30.2011, 36.2916, 58.8393** is the 20% darker color. If you saturate the color by 10%, you get **52.8723, 63.0834, 103.9974**, and if you desaturate by 10%, it is **66.7087, 76.0732, 105.7754**.

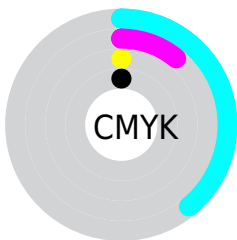
Distribution



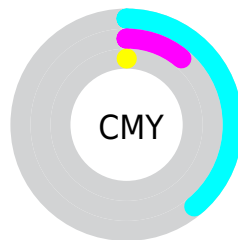
- Red (61%)
- Green (89%)
- Blue (100%)



- Red (61%)
- Yellow (77%)
- Blue (100%)



- Cyan (39%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2294, 69.2261, 104.8480 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 59.2294, 69.2261, 104.8480 by changing the saturation by 10% instead.

59.2294, 69.2261,
104.8480

59.2294, 69.2261,
104.8480

411.6319,
457.8280, 597.0054

43.0449, 50.8959,
79.7161

102.8237,
118.1045, 169.9134

30.1150, 36.1257,
58.9599

130.9642,
149.4214, 210.6840

20.0744, 24.5313,
42.1611

163.8208,
185.8360, 257.5045

12.5577, 15.7282,
28.9009

201.7588,
227.7326, 310.7935

7.1996, 9.3320,
18.7610

245.1435,
275.4958, 370.9696

3.6347, 4.9584,
11.3226

294.3404,

1.4976, 2.2229,

329.5098, 438.4512

6.1674

349.7147,
390.1591, 513.6570

■ 0.3242, 0.7324,
2.8767

■ 0.0000, 0.0000,
1.0320

■ 59.2294, 69.2261,
104.8480

■ 59.2294, 69.2261,
104.8480

■ 52.8723, 63.0834,
103.9974

■ 66.7087, 76.0732,
105.7754

■ 47.5652, 57.6016,
103.2190

■ 75.3651, 83.6496,
106.7816

■ 43.2364, 52.7437,
102.5095

■ 85.2567, 91.9883,
107.8697

■ 39.8018, 48.4650,
101.8646

95.0500, 100.0000,
108.9000

■ 37.1620, 44.7125,
101.2795

■ 35.1732, 41.4105,
100.7470

■ 34.9599, 41.0399,
100.6866

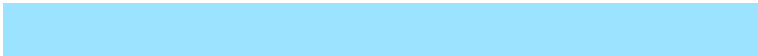
Harmonies

Analogous

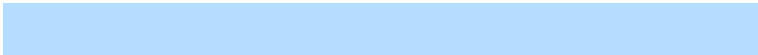
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.8644, 69.2261, 89.1780



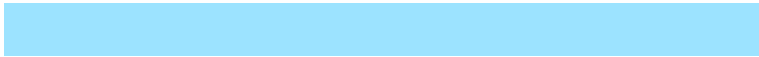
59.2294, 69.2261, 104.8480



64.5083, 69.2261, 112.7829

Triad

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



59.2294, 69.2261, 104.8480



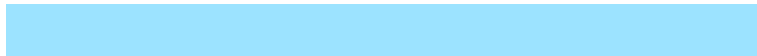
77.8141, 69.2261, 79.1531



61.3495, 69.2261, 49.1703

Complementary

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



59.2294, 69.2261, 104.8480



64.3817, 57.9416, 39.2450

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.



67.1035, 69.2261, 47.3157



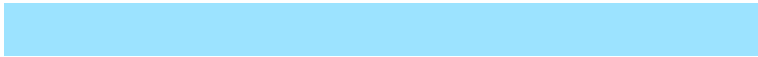
59.2294, 69.2261, 104.8480



76.8429, 69.2261, 63.0761

Square

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



59.2294, 69.2261, 104.8480



75.4129, 69.2261, 96.5737



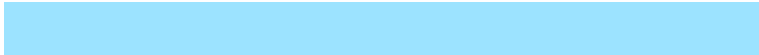
72.8337, 69.2261, 52.0188



57.0360, 69.2261, 57.5311

Rectangle

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



59.2294, 69.2261, 104.8480



68.4965, 69.2261, 111.8832



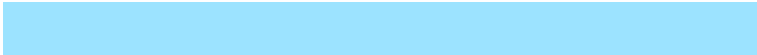
72.8337, 69.2261, 52.0188



63.1700, 69.2261, 47.8230

Sweetspot

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



59.2313, 69.2287, 104.8484



81.9758, 89.2537, 107.5148



57.9564, 81.9825, 57.2443



17.2655, 18.8683, 22.9819



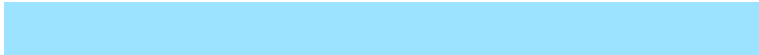
0.0000, 0.0000, 0.0000



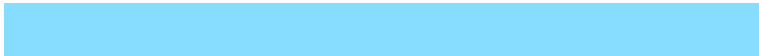
20.3446, 21.4041, 23.3091

Same Dimension

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



59.2313, 69.2287, 104.8484



53.9504, 64.1524, 104.1469



47.9020, 46.5700, 101.0719



18.0952, 19.5621, 23.0721



18.4006, 21.7107, 52.6554



1.8845, 2.2996, 5.1578

Inverse Universe

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



66.9949, 50.5847, 78.9087



62.9902, 43.8560, 73.6260



76.0699, 81.3180, 43.1411



18.5607, 18.2076, 21.5699



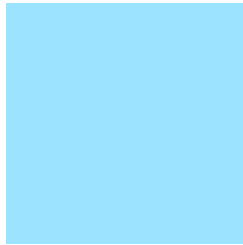
26.0759, 12.9197, 24.8482



2.5858, 1.2767, 2.6662

Previews

White Background



This preview shows how the XYZ color 59.2294, 69.2261, 104.8480 looks on a white background.

Color Contrast Check

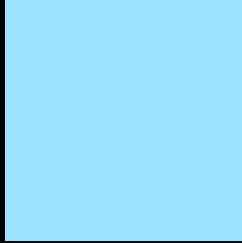
Large Text (above 18pt) WCAG AA × Fail

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 59.2294, 69.2261, 104.8480 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 59.2294, 69.2261, 104.8480

Background



This preview shows how black text looks on a background with the XYZ color 59.2294, 69.2261, 104.8480.



This preview shows how white text looks on a background with the XYZ color 59.2294, 69.2261,

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

59.2294, 69.2261, 104.8480

Protanopia

67.6990, 68.6574, 97.6798

Deuteranopia

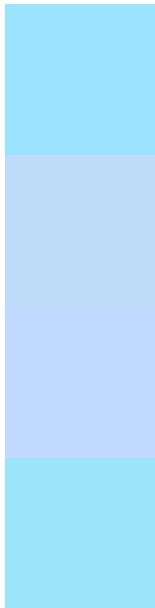
69.9124, 68.9059, 104.2231



Tritanopia

57.8583, 69.0722, 98.2785

Trichromacy



Original Color

59.2294, 69.2261, 104.8480

Protanomaly

64.0727, 68.6415, 100.3146

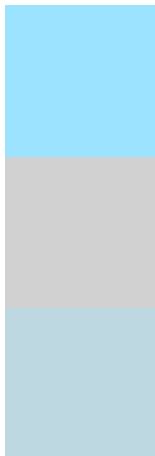
Deuteranomaly

65.1110, 68.3150, 104.3621

Tritanomaly

58.5163, 69.3575, 100.7457

Monochromacy



Original Color

59.2294, 69.2261, 104.8480

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.5185, 65.5499, 81.4669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2294, 69.2261, 104.8480 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(156, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 227, 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(156, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.2294, 69.2261, 104.8480 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(156, 227, 255) }
```


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

```
.border{ border-color:rgb(156, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2294, 69.2261, 104.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 227, 255) }
```

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

```
.background{ background-color: rgb(156,  
227, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor