

Converting Colors

XYZ(77.4164, 76.0406,
200.4797)

Have a look what the booklet for
XYZ(77.4164, 76.0406, 200.4797)
contains.

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Color

**XYZ(59.3469, 68.8818,
104.7753)**

Conversions

Conversions Part 1

Format	Color
Hex	9EE2FF
RGB	158, 226, 255
RGB Percent	62%, 89%, 100%
CMY	0.3804, 0.1137, 0.0000
CMYK	0.38, 0.11, 0.00, 0.00
HSL	198°, 100%, 81%
HSV	198°, 38%, 100%
XYZ	59.3469, 68.8818, 104.7753
YIQ	208.9740, -49.8370, -5.3970

Conversions

Conversions Part 2

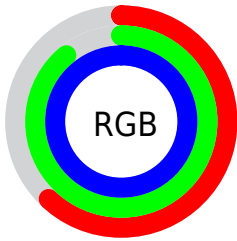
Format	Color
R _Y B	158, 198, 255
Decimal	10412799
CIE Lab	86.45, -14.22, -20.82
CIE LCh	86, 25.214, 235.672
Yxy	68.8818, 0.2547, 0.2956
Android (android.graphics.Color)	4288602879 (0xFF9EE2FF)
YUV	208.9740, 22.6908, -44.7042
Hunter-Lab	82.9951, -17.6022, -16.7528

Details

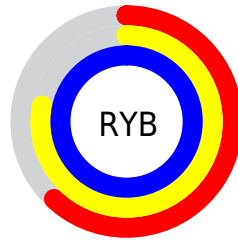
The XYZ color **59.3469, 68.8818, 104.7753** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.1823, 59.2696, 40.3544**, and the grayscale version is **60.4691, 63.6182, 69.2802**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **30.2354, 36.0278, 58.7866** is the 20% darker color. If you saturate the color by 10%, you get **52.8151, 62.5069, 103.8891**, and if you desaturate by 10%, it is **67.0153, 75.9827, 105.7418**.

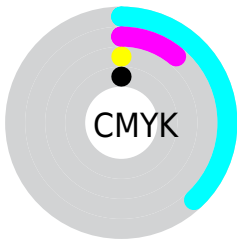
Distribution



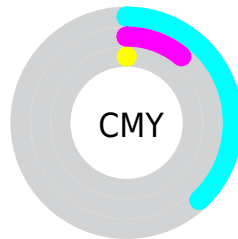
- Red (62%)
- Green (89%)
- Blue (100%)



- Red (62%)
- Yellow (78%)
- Blue (100%)



- Cyan (38%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3469, 68.8818, 104.7753 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 59.3469, 68.8818, 104.7753 by changing the saturation by 10% instead.


 59.3469, 68.8818,
104.7753


 59.3469, 68.8818,
104.7753


412.0597,
456.6140, 596.7736

 43.1399, 50.6155,
79.6555


 102.9934,
117.6127, 169.8131

 30.1899, 35.9027,
58.9104


 131.1636,
148.8461, 210.5682

 20.1315, 24.3590,
42.1215


164.0523,
185.1706, 257.3721

 12.5995, 15.6002,
28.8701

202.0248,
226.9707, 310.6435

 7.2284, 9.2417,
18.7379

245.4464,
274.6306, 370.8008

 3.6530, 4.8991,
11.3061

294.6825,

 1.5077, 2.1882,

328.5349, 438.2625

6.1564

350.0985,
389.0679, 513.4473

■ 0.3311, 0.7136,
2.8701

■ 0.0000, 0.0000,
1.0287

■ 59.3469, 68.8818,
104.7753

■ 59.3469, 68.8818,
104.7753

■ 52.8151, 62.5069,
103.8891

■ 67.0153, 75.9827,
105.7418

■ 47.3481, 56.8144,
103.0785

■ 75.8751, 83.8346,
106.7904

■ 42.8745, 51.7673,
102.3401

■ 85.9839, 92.4708,
107.9245

■ 39.3111, 47.3209,
101.6697

95.0500, 100.0000,
108.9000

■ 36.5597, 43.4226,
101.0622

■ 34.4876, 40.0023,
100.5113

■ 34.1240, 39.3680,
100.4080

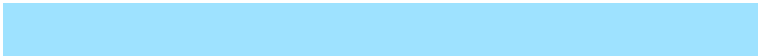
Harmonies

Analogous

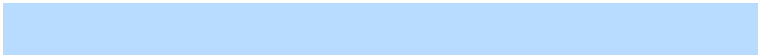
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.8732, 68.8818, 89.7934



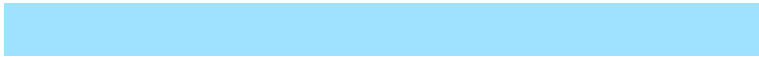
59.3469, 68.8818, 104.7753



64.6273, 68.8818, 111.8038

Triad

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



59.3469, 68.8818, 104.7753



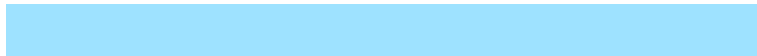
77.3021, 68.8818, 77.4510



60.7307, 68.8818, 49.6164

Complementary

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



59.3469, 68.8818, 104.7753



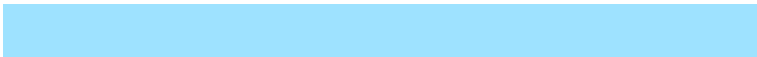
65.1823, 59.2696, 40.3544

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.



66.3202, 68.8818, 47.3154



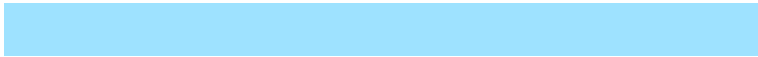
59.3469, 68.8818, 104.7753



76.1074, 68.8818, 61.9288

Square

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



59.3469, 68.8818, 104.7753



75.1754, 68.8818, 94.6112



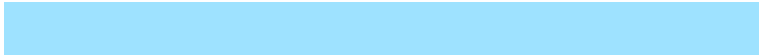
72.0006, 68.8818, 51.4798



56.6382, 68.8818, 58.3063

Rectangle

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



59.3469, 68.8818, 104.7753



68.5465, 68.8818, 110.3714



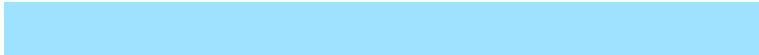
72.0006, 68.8818, 51.4798



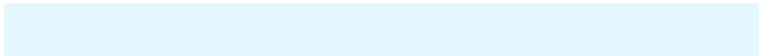
62.4871, 68.8818, 48.1309

Sweetspot

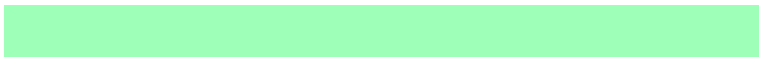
The Sweet Spot groups the original color and five complimentary colors.



59.3488, 68.8844, 104.7757



82.8558, 89.8289, 107.5795



58.6698, 82.3129, 58.9644



17.4362, 18.9733, 22.9932



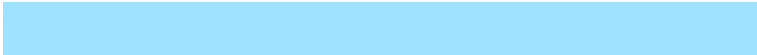
0.0000, 0.0000, 0.0000



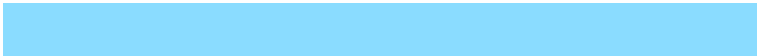
20.3446, 21.4041, 23.3091

Same Dimension

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



59.3488, 68.8844, 104.7757



54.0576, 63.7495, 104.0635



48.2755, 46.7378, 101.0846



18.0695, 19.5106, 23.0635



17.9673, 20.8442, 52.5109



1.8450, 2.2207, 5.1447

Inverse Universe

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



67.1956, 51.2064, 78.2966



63.1950, 44.5148, 72.9259



76.8303, 82.5654, 44.2370



18.5477, 18.2024, 21.5015



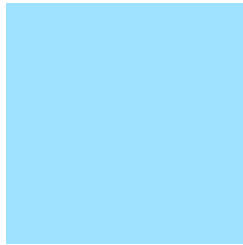
25.8573, 12.8322, 23.6966



2.5659, 1.2687, 2.5613

Previews

White Background



This preview shows how the XYZ color 59.3469, 68.8818, 104.7753 looks on a white background.

Color Contrast Check

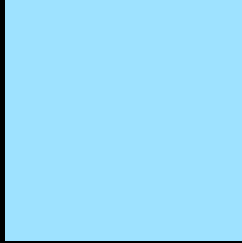
Large Text (above 18pt) WCAG AA × Fail

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 59.3469, 68.8818, 104.7753 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 59.3469, 68.8818, 104.7753

Background



This preview shows how black text looks on a background with the XYZ color 59.3469, 68.8818, 104.7753.

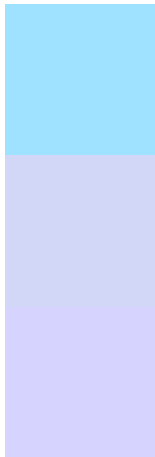


This preview shows how white text looks on a background with the XYZ color 59.3469, 68.8818,

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

59.3469, 68.8818, 104.7753

Protanopia

67.4134, 68.5102, 97.6664

Deuteranopia

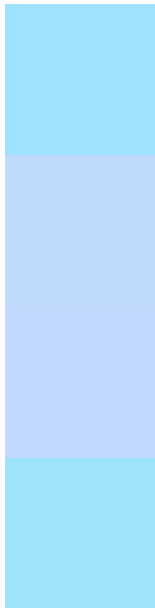
69.3686, 68.2556, 104.1263



Tritanopia

58.0883, 69.2085, 97.4858

Trichromacy



Original Color

59.3469, 68.8818, 104.7753

Protanomaly

63.8126, 68.1213, 100.2279

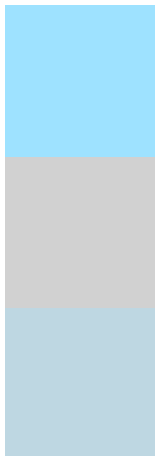
Deuteranomaly

64.8540, 67.8011, 104.2765

Tritanomaly

58.4726, 68.9458, 99.8486

Monochromacy



Original Color

59.3469, 68.8818, 104.7753

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.2631, 65.0390, 81.3818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3469, 68.8818, 104.7753 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(158, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 226, 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(158, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.3469, 68.8818, 104.7753 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(158, 226, 255) }
```


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

```
.border{ border-color:rgb(158, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3469, 68.8818, 104.7753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 226, 255) }
```

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

```
.background{ background-color: rgb(158,  
226, 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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