

Converting Colors

XYZ(59.4730, 66.4133,
103.4519)

Have a look what the booklet for
XYZ(59.4730, 66.4133, 103.4519)
contains.

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Color

**XYZ(59.6310, 66.6670,
103.4911)**

Conversions

Conversions Part 1

Format	Color
Hex	A8DCFE
RGB	168, 220, 254
RGB Percent	66%, 86%, 100%
CMY	0.3412, 0.1372, 0.0039
CMYK	0.34, 0.13, 0.00, 0.00
HSL	204°, 98%, 83%
HSV	204°, 34%, 100%
XYZ	59.6310, 66.6670, 103.4911
YIQ	208.3280, -41.9060, -0.4500

Conversions

Conversions Part 2

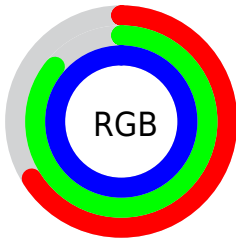
Format	Color
R _Y B	168, 200, 254
Decimal	11066622
CIE Lab	85.34, -8.75, -21.93
CIE LCh	85, 23.609, 248.236
Yxy	66.6670, 0.2595, 0.2901
Android (android.graphics.Color)	4289256702 (0xFFA8DCFE)
YUV	208.3280, 22.5163, -35.3677
Hunter-Lab	81.6499, -12.5241, -17.9951

Details

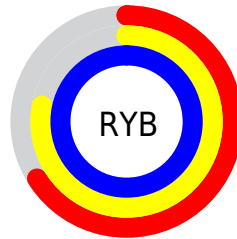
The XYZ color **59.6310, 66.6670, 103.4911** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.0625, 66.1398, 46.1738**, and the grayscale version is **60.0466, 63.1737, 68.7961**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **30.3432, 34.4522, 57.8740** is the 20% darker color. If you saturate the color by 10%, you get **52.1862, 59.0349, 102.4115**, and if you desaturate by 10%, it is **68.2945, 75.1654, 104.6760**.

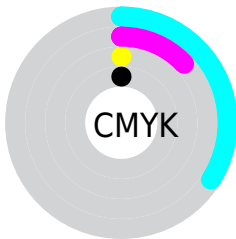
Distribution



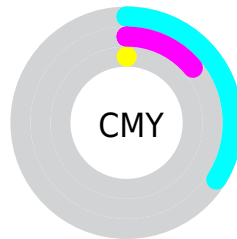
- Red (66%)
- Green (86%)
- Blue (100%)



- Red (66%)
- Yellow (78%)
- Blue (100%)



- Cyan (34%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6310, 66.6670, 103.4911 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 59.6310, 66.6670, 103.4911 by changing the saturation by 10% instead.

■ 59.6310, 66.6670,
103.4911

■ 59.6310, 66.6670,
103.4911

413.0929,
448.7585, 592.6704

■ 43.3696, 48.8141,
78.5862

■ 103.4036,
114.4431, 168.0401

■ 30.3710, 34.4720,
58.0364

131.6455,
145.1351, 208.5213

■ 20.2698, 23.2564,
41.4230

164.6116,
180.8755, 255.0317

■ 12.7007, 14.7830,
28.3276

202.6673,
222.0488, 307.9898

■ 7.2984, 8.6672,
18.3315

246.1779,
269.0394, 367.8142

■ 3.6974, 4.5248,
11.0164

295.5088,

■ 1.5324, 1.9712,

322.2316, 434.9234

5.9635

351.0254,
382.0098, 509.7360

■ 0.3477, 0.5907,
2.7545

■ 0.0000, 0.0000,
0.9707

■ 59.6310, 66.6670,
103.4911

■ 59.6310, 66.6670,
103.4911

■ 52.1862, 59.0349,
102.4115

■ 68.2945, 75.1654,
104.6760

■ 45.8891, 52.2240,
101.4287

■ 78.2297, 84.5568,
105.9651

■ 40.6711, 46.1960,
100.5402

■ 89.4941, 94.8764,
107.3632

■ 36.4523, 40.9055,
99.7414

94.8896, 99.9358,
108.0555

■ 33.1409, 36.3008,
99.0272

■ 30.6251, 32.3196,
98.3913

■ 29.3773, 30.1312,
98.0347

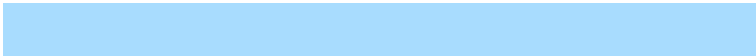
Harmonies

Analogous

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



55.6321, 66.6670, 92.3666



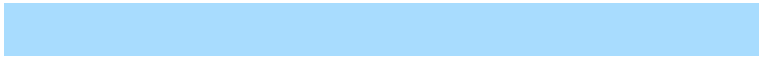
59.6310, 66.6670, 103.4911



64.8482, 66.6670, 105.7805

Triad

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



59.6310, 66.6670, 103.4911



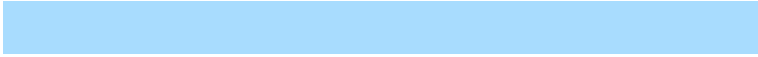
74.0876, 66.6670, 68.4549



57.2162, 66.6670, 51.8418

Complementary

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



59.6310, 66.6670, 103.4911



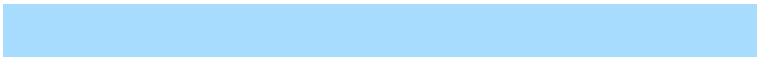
69.0625, 66.1398, 46.1738

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.



61.9045, 66.6670, 47.1871



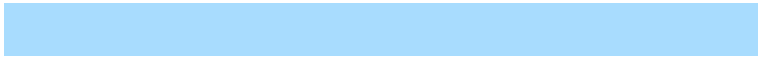
59.6310, 66.6670, 103.4911



71.7831, 66.6670, 55.8576

Square

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



59.6310, 66.6670, 103.4911



73.3945, 66.6670, 84.0559



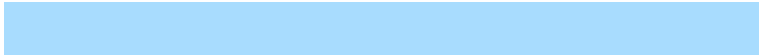
67.2517, 66.6670, 48.5463



54.2935, 66.6670, 62.2155

Rectangle

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



59.6310, 66.6670, 103.4911



68.3514, 66.6670, 101.7229



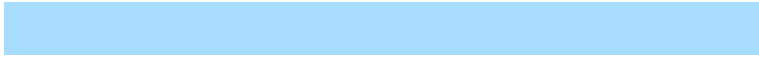
67.2517, 66.6670, 48.5463



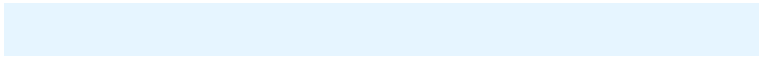
58.6272, 66.6670, 49.6279

Sweetspot

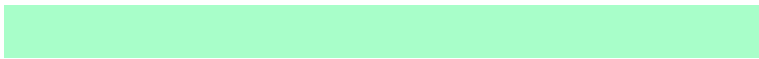
The Sweet Spot groups the original color and five complimentary colors.



59.6331, 66.6696, 103.4926



83.1508, 89.2163, 107.4457



62.1305, 83.4253, 68.0675



17.4634, 18.7880, 22.9560



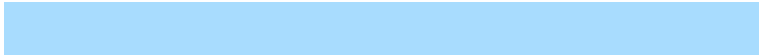
0.0000, 0.0000, 0.0000



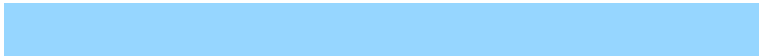
20.3446, 21.4041, 23.3091

Same Dimension

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



59.6331, 66.6696, 103.4926



54.6734, 61.6723, 103.6301



49.9665, 47.3364, 100.2704



17.9169, 19.2055, 23.0127



15.6359, 16.1814, 51.7338



1.6291, 1.7888, 5.0727

Inverse Universe

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



67.7957, 54.2452, 74.6101



64.3136, 48.0547, 69.2824



80.2829, 88.5807, 49.9139



18.4707, 18.1716, 21.0960



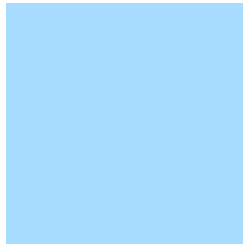
24.6805, 12.3615, 17.4997



2.4569, 1.2251, 1.9874

Previews

White Background



This preview shows how the XYZ color 59.6310, 66.6670, 103.4911 looks on a white background.

Color Contrast Check

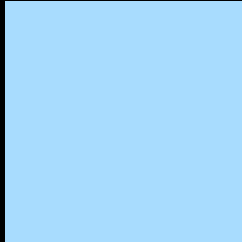
Large Text (above 18pt) WCAG AA × Fail

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 59.6310, 66.6670, 103.4911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

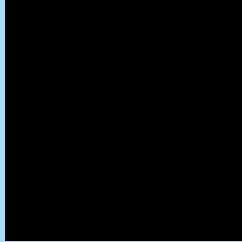
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

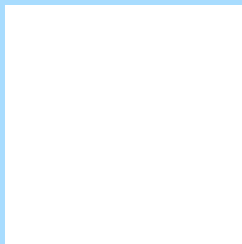
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.6310, 66.6670, 103.4911

Background



This preview shows how black text looks on a background with the XYZ color 59.6310, 66.6670, 103.4911.



This preview shows how white text looks on a background with the XYZ color 59.6310, 66.6670,

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

59.6310, 66.6670, 103.4911

Protanopia

65.6911, 66.4877, 98.1780

Deuteranopia

67.4698, 66.1806, 103.8258



Tritanopia

57.3665, 66.5332, 92.2567

Trichromacy



Original Color

59.6310, 66.6670, 103.4911

Protanomaly

63.0401, 66.2017, 99.8981

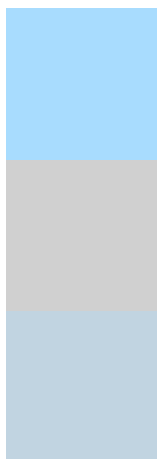
Deuteranomaly

64.0992, 65.9091, 103.9511

Tritanomaly

58.0638, 66.4125, 96.1448

Monochromacy



Original Color

59.6310, 66.6670, 103.4911

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.1264, 63.8607, 80.4442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6310, 66.6670, 103.4911 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(168, 220, 254)` looks like.

```
.text, #text, p{  
    color:rgb(168, 220, 254)  
}
```

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(168, 220, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 220, 254) }
```

Border

The CSS property to change the border of an element to XYZ 59.6310, 66.6670, 103.4911 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(168, 220, 254) }
```


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

```
.border{ border-color:rgb(168, 220, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 220, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 220, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 220, 254);  
box-shadow:4px 4px 4px 4px rgb(168, 220,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6310, 66.6670, 103.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 220, 254) }
```

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

```
.background{ background-color: rgb(168,  
220, 254) }
```

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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