

Converting Colors

XYZ(59.8878, 68.4736,
104.6680)

Have a look what the booklet for
XYZ(59.8878, 68.4736, 104.6680)
contains.

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Color

**XYZ(59.8099, 68.3178,
104.6421)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A3E0FF |
| RGB | 163, 224, 255 |
| RGB Percent | 64%, 88%, 100% |
| CMY | 0.3608, 0.1216, 0.0000 |
| CMYK | 0.36, 0.12, 0.00, 0.00 |
| HSL | 200°, 100%, 82% |
| HSV | 200°, 36%, 100% |
| XYZ | 59.8099, 68.3178, 104.6421 |
| YIQ | 209.2950, -46.3070, -3.2910 |

Conversions

Conversions Part 2

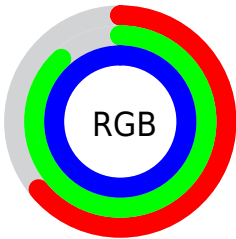
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 163, 200, 255 |
| Decimal | 10739967 |
| CIE Lab | 86.17, -11.90, -21.22 |
| CIE LCh | 86, 24.332, 240.714 |
| Yxy | 68.3178, 0.2569, 0.2935 |
| Android (android.graphics.Color) | 4288930047 (0xFFA3E0FF) |
| YUV | 209.2950, 22.5326, -40.6007 |
| Hunter-Lab | 82.6546, -15.4807, -17.2039 |

Details

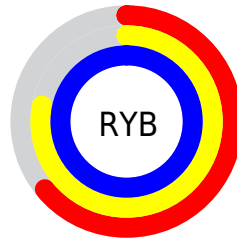
The XYZ color **59.8099, 68.3178, 104.6421** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.1431, 62.4881, 43.1748**, and the grayscale version is **60.6777, 63.8376, 69.5192**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **30.4444, 35.5790, 58.6889** is the 20% darker color. If you saturate the color by 10%, you get **52.8549, 61.3922, 103.6719**, and if you desaturate by 10%, it is **67.9380, 76.0246, 105.7012**.

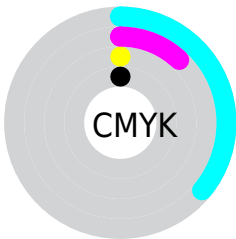
Distribution



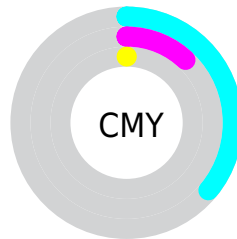
- Red (64%)
- Green (88%)
- Blue (100%)



- Red (64%)
- Yellow (78%)
- Blue (100%)



- Cyan (36%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8099, 68.3178, 104.6421 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 59.8099, 68.3178, 104.6421 by changing the saturation by 10% instead.

■ 59.8099, 68.3178,
104.6421

■ 59.8099, 68.3178,
104.6421

413.7427,
454.6212, 596.3487

■ 43.5143, 50.1563,
79.5446

■ 103.6618,
116.8067, 169.6293

■ 30.4851, 35.5376,
58.8197

■ 131.9488,
147.9028, 210.3561

■ 20.3570, 24.0773,
42.0489

164.9636,
184.0794, 257.1296

■ 12.7646, 15.3910,
28.8138

203.0716,
225.7207, 310.3686

■ 7.3425, 9.0942,
18.6956

246.6381,
273.2111, 370.4914

■ 3.7254, 4.8027,
11.2760

296.0286,

■ 1.5480, 2.1320,

326.9350, 437.9166

6.1363

351.6083,
387.2769, 513.0629

■ 0.3582, 0.6825,
2.8580

■ 0.0000, 0.0000,
1.0226

■ 59.8099, 68.3178,
104.6421

■ 59.8099, 68.3178,
104.6421

■ 52.8549, 61.3922,
103.6719

■ 67.9380, 76.0246,
105.7012

■ 47.0020, 55.2037,
102.7859

■ 77.2935, 84.5383,
106.8515

■ 42.1808, 49.7153,
101.9806

■ 87.9340, 93.8925,
108.0962

■ 38.3097, 44.8822,
101.2517

95.0500, 100.0000,
108.9000

■ 35.2935, 40.6525,
100.5943

■ 33.0143, 36.9626,
100.0022

■ 32.2534, 35.6269,
99.7845

Harmonies

Analogous

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



56.1129, 68.3178, 91.2682



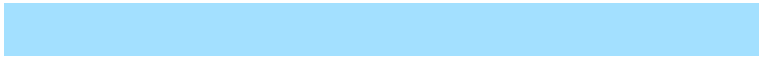
59.8099, 68.3178, 104.6421



65.0683, 68.3178, 109.6637

Triad

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



59.8099, 68.3178, 104.6421



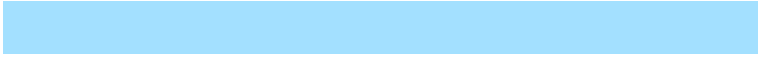
76.3024, 68.3178, 74.0028



59.5901, 68.3178, 50.9073

Complementary

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



59.8099, 68.3178, 104.6421



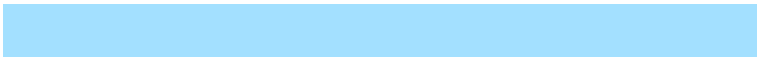
67.1431, 62.4881, 43.1748

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.



64.7999, 68.3178, 47.6243



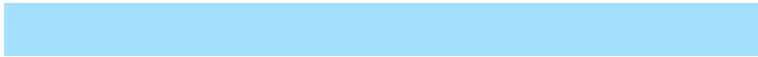
59.8099, 68.3178, 104.6421



74.6343, 68.3178, 59.7265

Square

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



59.8099, 68.3178, 104.6421



74.7816, 68.3178, 90.5073



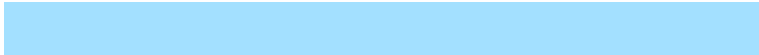
70.3428, 68.3178, 50.6094



55.9913, 68.3178, 60.3034

Rectangle

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



59.8099, 68.3178, 104.6421



68.8161, 68.3178, 107.1057



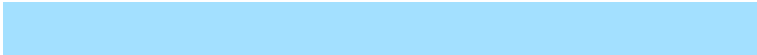
70.3428, 68.3178, 50.6094



61.2008, 68.3178, 49.1181

Sweetspot

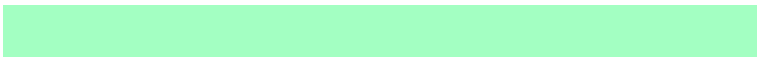
The Sweet Spot groups the original color and five complimentary colors.



59.8118, 68.3204, 104.6425



82.5316, 89.1804, 107.4714



60.5656, 83.1872, 63.7091



17.3587, 18.8183, 22.9673



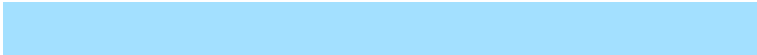
0.0000, 0.0000, 0.0000



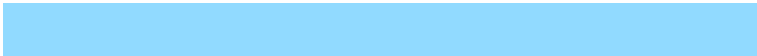
20.3446, 21.4041, 23.3091

Same Dimension

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



59.8118, 68.3204, 104.6425



54.8747, 63.4433, 103.9613



49.1426, 46.9819, 101.0861



18.0092, 19.3899, 23.0434



16.9967, 18.9029, 52.1874



1.7559, 2.0425, 5.1150

Inverse Universe

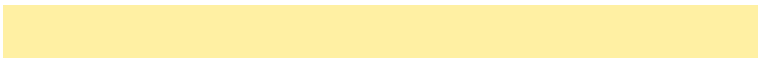
The Inverse Universe completely reimagines the original color for something new.



67.7930, 52.8379, 77.1494



64.0812, 46.6828, 72.0012



78.9135, 86.0290, 47.0983



18.5173, 18.1902, 21.3411



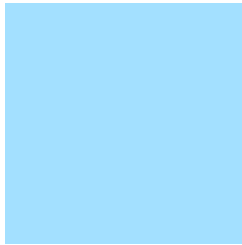
25.3673, 12.6362, 21.1166



2.5209, 1.2507, 2.3245

Previews

White Background



This preview shows how the XYZ color 59.8099, 68.3178, 104.6421 looks on a white background.

Color Contrast Check

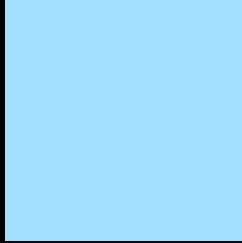
Large Text (above 18pt) WCAG AA × Fail

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 59.8099, 68.3178, 104.6421 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

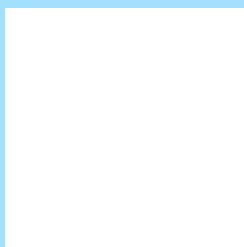
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.8099, 68.3178, 104.6421

Background



This preview shows how black text looks on a background with the XYZ color 59.8099, 68.3178, 104.6421.



This preview shows how white text looks on a background with the XYZ color 59.8099, 68.3178,

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

59.8099, 68.3178, 104.6421

Protanopia

67.0320, 67.9211, 98.3841

Deuteranopia

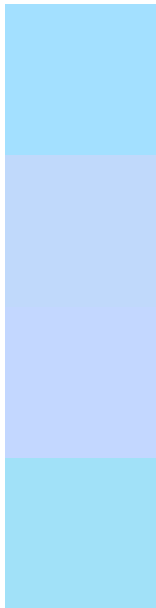
68.8281, 67.6093, 104.0300



Tritanopia

58.0227, 68.3979, 95.7320

Trichromacy



Original Color

59.8099, 68.3178, 104.6421

Protanomaly

63.9637, 67.7972, 100.9817

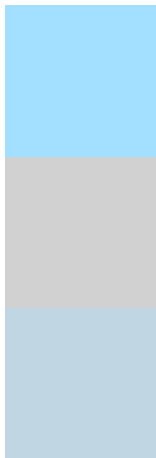
Deuteranomaly

64.8561, 67.4230, 104.2034

Tritanomaly

58.5664, 68.2048, 98.8850

Monochromacy



Original Color

59.8099, 68.3178, 104.6421

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.5123, 64.7906, 81.3207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8099, 68.3178, 104.6421 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(163, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 224, 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(163, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.8099, 68.3178, 104.6421 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(163, 224, 255) }
```


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

```
.border{ border-color:rgb(163, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8099, 68.3178, 104.6421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 224, 255) }
```

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

```
.background{ background-color: rgb(163,  
224, 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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