

Converting Colors

XYZ(58.8029, 67.0116,
104.4430)

Have a look what the booklet for
XYZ(58.8029, 67.0116, 104.4430)
contains.

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Color

**XYZ(58.8692, 67.0396,
104.4449)**

Conversions

Conversions Part 1

Format	Color
Hex	A1DEFF
RGB	161, 222, 255
RGB Percent	63%, 87%, 100%
CMY	0.3686, 0.1294, 0.0000
CMYK	0.37, 0.13, 0.00, 0.00
HSL	201°, 100%, 82%
HSV	201°, 37%, 100%
XYZ	58.8692, 67.0396, 104.4449
YIQ	207.5230, -46.9490, -2.6690

Conversions

Conversions Part 2

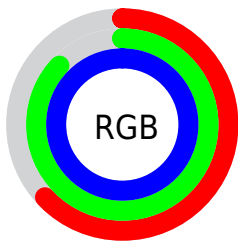
Format	Color
R_{YB}	161, 198, 255
Decimal	10608383
CIE _{Lab}	85.52, -11.40, -22.20
CIE _{LCh}	86, 24.958, 242.829
Yxy	67.0396, 0.2556, 0.2910
Android (android.graphics.Color)	4288798463 (0xFFA1DEFF)
YUV	207.5230, 23.4062, -40.8007
Hunter-Lab	81.8777, -14.9464, -18.3171

Details

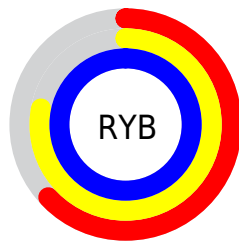
The XYZ color **58.8692, 67.0396, 104.4449** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.9652, 62.4170, 42.2384**, and the grayscale version is **59.5225, 62.6223, 68.1956**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **29.8375, 34.7179, 58.5547** is the 20% darker color. If you saturate the color by 10%, you get **51.9304, 60.0277, 103.4572**, and if you desaturate by 10%, it is **66.9858, 74.8492, 105.5246**.

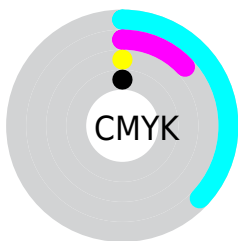
Distribution



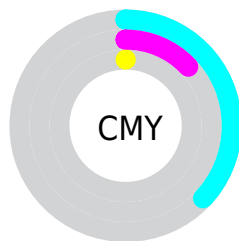
- Red (63%)
- Green (87%)
- Blue (100%)



- Red (63%)
- Yellow (78%)
- Blue (100%)



- Cyan (37%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8692, 67.0396, 104.4449 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 58.8692, 67.0396, 104.4449 by changing the saturation by 10% instead.

■ 58.8692, 67.0396,
104.4449

■ 58.8692, 67.0396,
104.4449

410.3189,
450.0857, 595.7193

■ 42.7538, 49.1168,
79.3803

■ 102.3033,
114.9772, 169.3572

■ 29.8857, 34.7121,
58.6854

■ 130.3526,
145.7607, 210.0419

■ 19.8995, 23.4412,
41.9416

163.1107,
181.6000, 256.7705

■ 12.4298, 14.9196,
28.7303

200.9428,
222.8793, 309.9614

■ 7.1114, 8.7630,
18.6331

244.2143,
269.9832, 370.0332

■ 3.5788, 4.5869,
11.2313

293.2906,

■ 1.4667, 2.0070,

323.2959, 437.4044

6.1065

348.5370,
383.2020, 512.4936

■ 0.3030, 0.6115,
2.8401

■ 0.0000, 0.0000,
1.0136

■ 58.8692, 67.0396,
104.4449

■ 58.8692, 67.0396,
104.4449

■ 51.9304, 60.0277,
103.4572

■ 66.9858, 74.8492,
105.5246

■ 46.0978, 53.7690,
102.5566

■ 76.3352, 83.4830,
106.6983

■ 41.3001, 48.2254,
101.7394

■ 86.9755, 92.9752,
107.9697

■ 37.4545, 43.3513,
101.0013

■ 95.0500, 100.0000,
108.9000

■ 34.4644, 39.0935,
100.3371

■ 32.2074, 35.3860,
99.7404

■ 31.5929, 34.3057,
99.5643

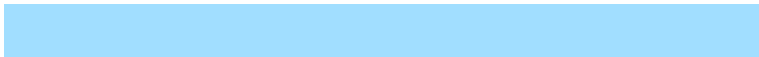
Harmonies

Analogous

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



54.9901, 67.0396, 91.2641



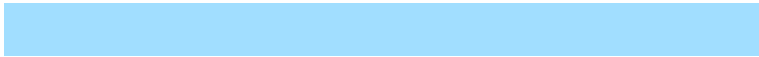
58.8692, 67.0396, 104.4449



64.2587, 67.0396, 108.8317

Triad

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



58.8692, 67.0396, 104.4449



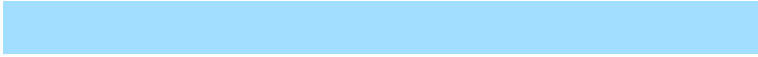
75.2401, 67.0396, 71.4645



57.9895, 67.0396, 49.7760

Complementary

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



58.8692, 67.0396, 104.4449



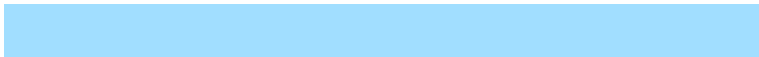
66.9652, 62.4170, 42.2384

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.



63.1825, 67.0396, 46.0398



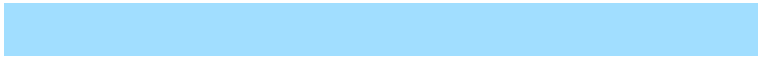
58.8692, 67.0396, 104.4449



73.3262, 67.0396, 57.3423

Square

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



58.8692, 67.0396, 104.4449



73.9187, 67.0396, 88.2011



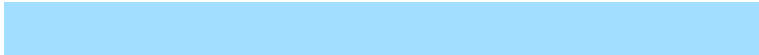
68.8284, 67.0396, 48.5916



54.5038, 67.0396, 59.6450

Rectangle

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



58.8692, 67.0396, 104.4449



68.0433, 67.0396, 105.7194



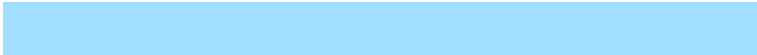
68.8284, 67.0396, 48.5916



59.5821, 67.0396, 47.8334

Sweetspot

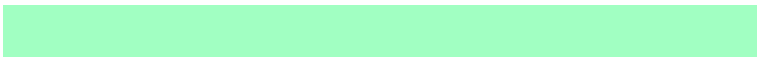
The Sweet Spot groups the original color and five complimentary colors.



58.8711, 67.0421, 104.4453



82.4116, 88.9404, 107.4314



60.1854, 82.9882, 63.8279



17.3300, 18.7610, 22.9578



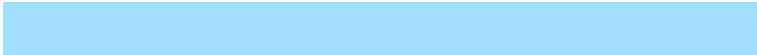
0.0000, 0.0000, 0.0000



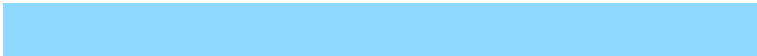
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8711, 67.0421, 104.4453



53.8001, 61.9558, 103.7308



48.0989, 45.4977, 100.8546



17.9868, 19.3452, 23.0359



16.6535, 18.2165, 52.0730



1.7242, 1.9790, 5.1044

Inverse Universe

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



67.1709, 52.0253, 75.6116



63.3772, 45.7828, 70.2007



79.0993, 86.6851, 46.2830



18.5060, 18.1857, 21.2817



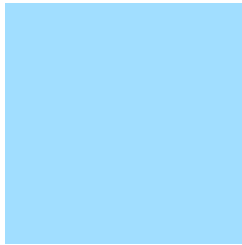
25.1941, 12.5669, 20.2044



2.5049, 1.2443, 2.2401

Previews

White Background



This preview shows how the XYZ color 58.8692, 67.0396, 104.4449 looks on a white background.

Color Contrast Check

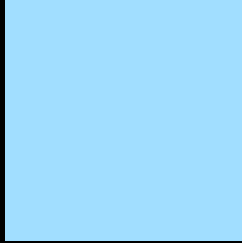
Large Text (above 18pt) WCAG AA × Fail

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 58.8692, 67.0396, 104.4449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

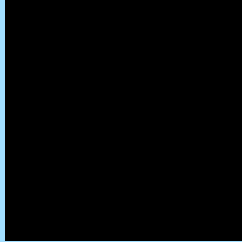
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8692, 67.0396, 104.4449

Background



This preview shows how black text looks on a background with the XYZ color 58.8692, 67.0396, 104.4449.

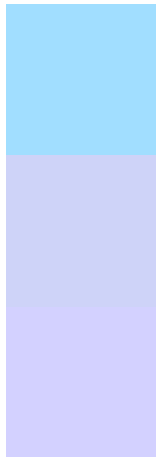


This preview shows how white text looks on a background with the XYZ color 58.8692, 67.0396,

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

58.8692, 67.0396, 104.4449

Protanopia

65.6911, 66.4877, 98.1780

Deuteranopia

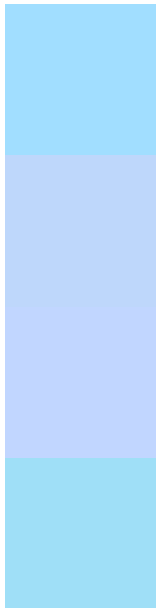
67.7144, 66.6698, 103.9074



Tritanopia

56.7832, 66.9912, 93.9422

Trichromacy



Original Color

58.8692, 67.0396, 104.4449

Protanomaly

62.9482, 66.5131, 100.7874

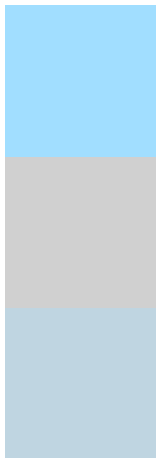
Deuteranomaly

64.0889, 66.6506, 104.0947

Tritanomaly

57.4743, 66.8617, 97.8721

Monochromacy



Original Color

58.8692, 67.0396, 104.4449

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.8707, 64.1011, 80.5041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8692, 67.0396, 104.4449 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(161, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 222, 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(161, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.8692, 67.0396, 104.4449 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(161, 222, 255) }
```


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

```
.border{ border-color:rgb(161, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8692, 67.0396, 104.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 222, 255) }
```

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

```
.background{ background-color: rgb(161,  
222, 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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