

Converting Colors

XYZ(58.1096, 67.6719,
104.6070)

Have a look what the booklet for
XYZ(58.1096, 67.6719, 104.6070)
contains.

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Color

**XYZ(58.3016, 67.9405,
104.6487)**

Conversions

Conversions Part 1

Format	Color
Hex	9AE1FF
RGB	154, 225, 255
RGB Percent	60%, 88%, 100%
CMY	0.3961, 0.1176, 0.0000
CMYK	0.40, 0.12, 0.00, 0.00
HSL	198°, 100%, 80%
HSV	198°, 40%, 100%
XYZ	58.3016, 67.9405, 104.6487
YIQ	207.1910, -51.9460, -5.7220

Conversions

Conversions Part 2

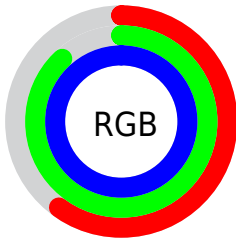
Format	Color
RYB	154, 196, 255
Decimal	10150399
CIELab	85.98, -14.72, -21.55
CIELCh	86, 26.100, 235.661
Yxy	67.9405, 0.2525, 0.2943
Android (android.graphics.Color)	4288340479 (0xFF9AE1FF)
YUV	207.1910, 23.5698, -46.6485
Hunter-Lab	82.4260, -17.9889, -17.5768

Details

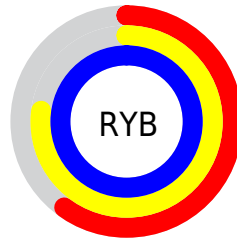
The XYZ color **58.3016, 67.9405, 104.6487** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **64.2136, 57.8742, 38.3600**, and the grayscale version is **59.3098, 62.3985, 67.9519**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **29.6048, 35.4233, 58.7031** is the 20% darker color. If you saturate the color by 10%, you get **51.9521, 61.6963, 103.7782**, and if you desaturate by 10%, it is **65.7766, 74.9028, 105.5986**.

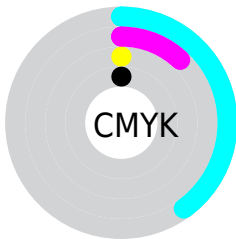
Distribution



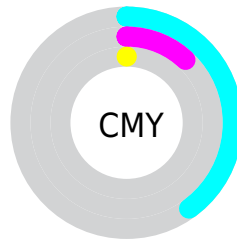
- Red (60%)
- Green (88%)
- Blue (100%)



- Red (60%)
- Yellow (77%)
- Blue (100%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3016, 67.9405, 104.6487 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 58.3016, 67.9405, 104.6487 by changing the saturation by 10% instead.

■ 58.3016, 67.9405,
104.6487

■ 58.3016, 67.9405,
104.6487

408.2446,
453.2852, 596.3697

■ 42.2954, 49.8493,
79.5501

■ 101.4824,
116.2670, 169.6384

■ 29.5248, 35.2937,
58.8242

■ 129.3876,
147.2712, 210.3666

■ 19.6244, 23.8892,
42.0525

161.9899,
183.3484, 257.1416

■ 12.2290, 15.2514,
28.8165

199.6546,
224.8832, 310.3822

■ 6.9731, 8.9960,
18.6977

242.7471,
272.2598, 370.5067

■ 3.4915, 4.7386,
11.2775

291.6327,

■ 1.4187, 2.0947,

325.8628, 437.9338

6.1373

346.6767,
386.0764, 513.0819

■ 0.2695, 0.6617,
2.8586

■ 0.0000, 0.0000,
1.0229

■ 58.3016, 67.9405,
104.6487

■ 58.3016, 67.9405,
104.6487

■ 51.9521, 61.6963,
103.7782

■ 65.7766, 74.9028,
105.5986

■ 46.6553, 56.1264,
102.9822

■ 74.4326, 82.6089,
106.6298

■ 42.3385, 51.1930,
102.2575

■ 84.3279, 91.0921,
107.7457

■ 38.9166, 46.8505,
101.5997

95.0500, 100.0000,
108.9000

■ 36.2883, 43.0449,
101.0036

■ 34.2957, 39.6928,
100.4616

■ 34.2232, 39.5664,
100.4411

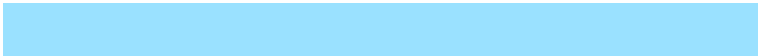
Harmonies

Analogous

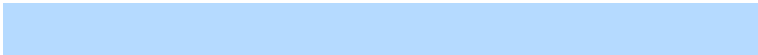
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.7519, 67.9405, 89.1789



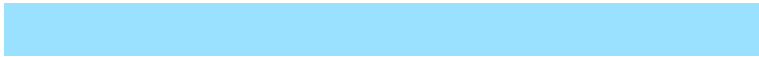
58.3016, 67.9405, 104.6487



63.7091, 67.9405, 111.9276

Triad

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



58.3016, 67.9405, 104.6487



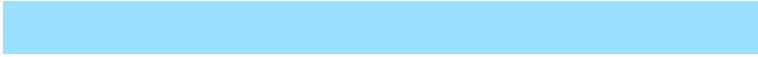
76.7381, 67.9405, 76.4960



59.7210, 67.9405, 48.0770

Complementary

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



58.3016, 67.9405, 104.6487



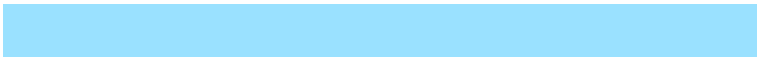
64.2136, 57.8742, 38.3600

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.



65.4496, 67.9405, 45.7485



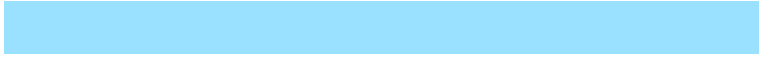
58.3016, 67.9405, 104.6487



75.5088, 67.9405, 60.6067

Square

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



58.3016, 67.9405, 104.6487



74.5470, 67.9405, 94.1584



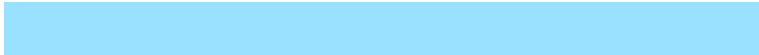
71.2839, 67.9405, 49.9712



55.5352, 67.9405, 56.9051

Rectangle

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



58.3016, 67.9405, 104.6487



67.7307, 67.9405, 110.4467



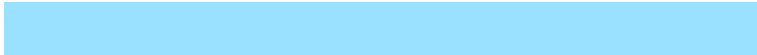
71.2839, 67.9405, 49.9712



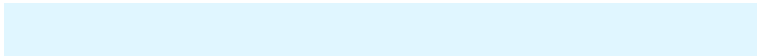
61.5196, 67.9405, 46.5727

Sweetspot

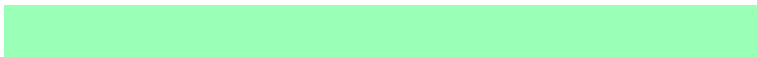
The Sweet Spot groups the original color and five complimentary colors.



58.3035, 67.9430, 104.6491



81.8435, 88.9891, 107.4707



57.5949, 81.7935, 57.3446



17.2343, 18.8058, 22.9715



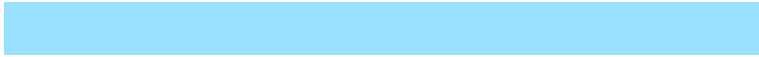
0.0000, 0.0000, 0.0000



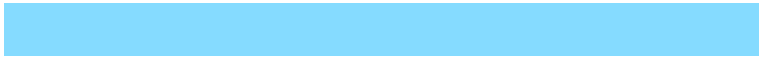
20.3446, 21.4041, 23.3091

Same Dimension

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



58.3035, 67.9430, 104.6491



52.8994, 62.6531, 103.9129



46.8803, 45.0966, 100.8414



18.0726, 19.5168, 23.0645



18.0187, 20.9470, 52.5281



1.8497, 2.2301, 5.1462

Inverse Universe

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



66.3874, 49.8090, 77.3522



62.3126, 43.0216, 71.7942



76.2453, 81.9376, 42.3706



18.5493, 18.2030, 21.5097



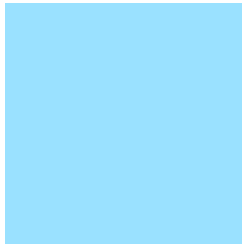
25.8832, 12.8426, 23.8333



2.5683, 1.2697, 2.5738

Previews

White Background



This preview shows how the XYZ color 58.3016, 67.9405, 104.6487 looks on a white background.

Color Contrast Check

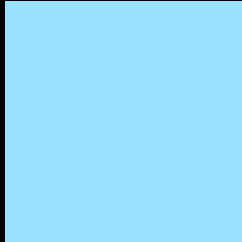
Large Text (above 18pt) WCAG AA × Fail

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 58.3016, 67.9405, 104.6487 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

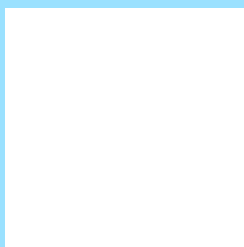
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.3016, 67.9405, 104.6487

Background



This preview shows how black text looks on a background with the XYZ color 58.3016, 67.9405, 104.6487.

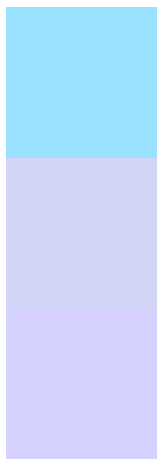


This preview shows how white text looks on a background with the XYZ color 58.3016, 67.9405,

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

58.3016, 67.9405, 104.6487

Protanopia

66.3444, 67.2123, 97.4722

Deuteranopia

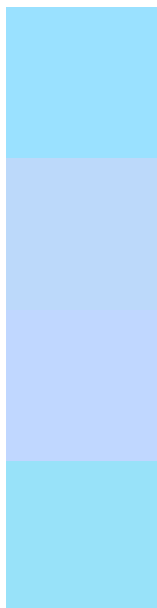
68.5372, 67.4593, 104.0164



Tritanopia

56.7130, 68.1101, 96.5437

Trichromacy



Original Color

58.3016, 67.9405, 104.6487

Protanomaly

62.8072, 67.2192, 100.1068

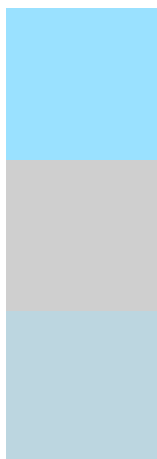
Deuteranomaly

64.0887, 67.0273, 104.1675

Tritanomaly

57.2441, 67.9077, 99.7129

Monochromacy



Original Color

58.3016, 67.9405, 104.6487

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

58.2402, 64.1663, 79.8368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3016, 67.9405, 104.6487 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(154, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 225, 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(154, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.3016, 67.9405, 104.6487 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(154, 225, 255) }
```


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

```
.border{ border-color:rgb(154, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3016, 67.9405, 104.6487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 225, 255) }
```

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

```
.background{ background-color: rgb(154,  
225, 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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