

Converting Colors

XYZ(59.1100, 67.2371,
102.3324)

Have a look what the booklet for
XYZ(59.1100, 67.2371, 102.3324)
contains.

XYZ(59.0018, 67.1633, 101.9496)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.0018, 67.1633,
101.9496)**

Conversions

Conversions Part 1

Format	Color
Hex	A4DEFC
RGB	164, 222, 252
RGB Percent	64%, 87%, 99%
CMY	0.3568, 0.1294, 0.0118
CMYK	0.35, 0.12, 0.00, 0.01
HSL	200°, 94%, 82%
HSV	200°, 35%, 99%
XYZ	59.0018, 67.1633, 101.9496
YIQ	208.0780, -44.1980, -2.9660

Conversions

Conversions Part 2

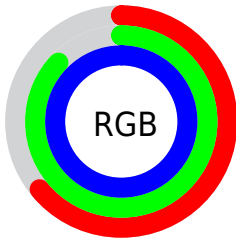
Format	Color
RYB	164, 199, 252
Decimal	10804988
CIELab	85.59, -11.35, -20.51
CIELCh	86, 23.441, 241.052
Yxy	67.1633, 0.2586, 0.2944
Android (android.graphics.Color)	4288995068 (0xFFA4DEFC)
YUV	208.0780, 21.6535, -38.6564
Hunter-Lab	81.9532, -14.9080, -16.3894

Details

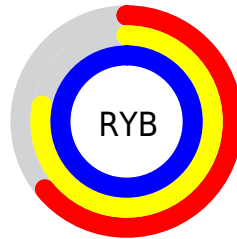
The XYZ color **59.0018, 67.1633, 101.9496** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1387, 61.9604, 43.5975**, and the grayscale version is **59.8910, 63.0100, 68.6179**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **29.9757, 34.8288, 56.7725** is the 20% darker color. If you saturate the color by 10%, you get **52.0840, 60.2972, 100.9901**, and if you desaturate by 10%, it is **67.0704, 74.7983, 102.9992**.

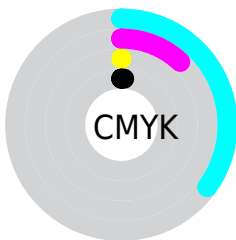
Distribution



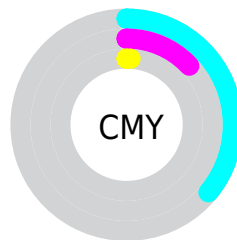
- Red (64%)
- Green (87%)
- Blue (99%)



- Red (64%)
- Yellow (78%)
- Blue (99%)



- Cyan (35%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)



- Cyan (36%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0018, 67.1633, 101.9496 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 59.0018, 67.1633, 101.9496 by changing the saturation by 10% instead.

■ 59.0018, 67.1633,
101.9496

■ 59.0018, 67.1633,
101.9496

410.8025,
450.5258, 587.7253

■ 42.8609, 49.2173,
77.3038

■ 102.4949,
115.1544, 165.9090

■ 29.9701, 34.7919,
56.9892

■ 130.5778,
145.9683, 206.0597

■ 19.9638, 23.5026,
40.5873

163.3722,
181.8403, 252.2157

■ 12.4769, 14.9651,
27.6795

201.2433,
223.1548, 304.7956

■ 7.1438, 8.7949,
17.8472

244.5565,
270.2962, 364.2180

■ 3.5993, 4.6076,
10.6721

293.6773,

■ 1.4781, 2.0189,

323.6489, 430.9014

5.7354

348.9708,
383.5973, 505.2643

■ 0.3108, 0.6184,
2.6187

■ 0.0000, 0.0000,
0.9021

■ 59.0018, 67.1633,
101.9496

■ 59.0018, 67.1633,
101.9496

■ 52.0840, 60.2972,
100.9901

■ 67.0704, 74.7983,
102.9992

■ 46.2479, 54.1572,
100.1125

■ 76.3413, 83.2267,
104.1374

■ 41.4261, 48.7076,
99.3148

■ 86.8703, 92.4812,
105.3688

■ 37.5406, 43.9055,
98.5927

■ 94.5709, 99.8084,
106.3772

■ 34.5008, 39.7013,
97.9414

■ 32.1953, 36.0350,
97.3553

■ 31.2247, 34.3359,
97.0785

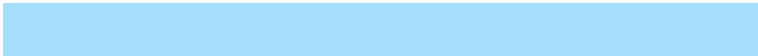
Harmonies

Analogous

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



55.4501, 67.1633, 89.3444



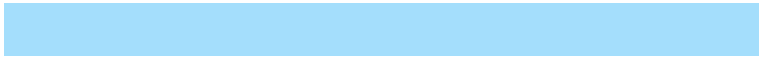
59.0018, 67.1633, 101.9496



64.0251, 67.1633, 106.5903

Triad

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



59.0018, 67.1633, 101.9496



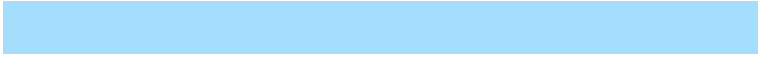
74.6459, 67.1633, 72.5918



58.6931, 67.1633, 50.7487

Complementary

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



59.0018, 67.1633, 101.9496



66.1387, 61.9604, 43.5975

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.



63.6487, 67.1633, 47.5254



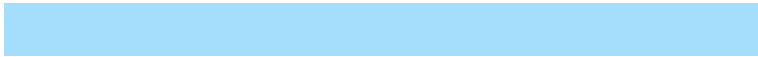
59.0018, 67.1633, 101.9496



73.0290, 67.1633, 59.0055

Square

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



59.0018, 67.1633, 101.9496



73.2350, 67.1633, 88.2818



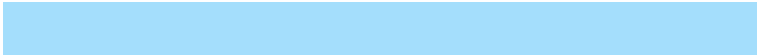
68.9288, 67.1633, 50.3274



55.2789, 67.1633, 59.8183

Rectangle

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



59.0018, 67.1633, 101.9496



67.5908, 67.1633, 104.0971



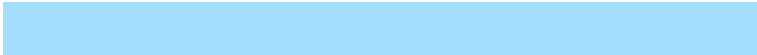
68.9288, 67.1633, 50.3274



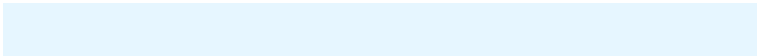
60.2243, 67.1633, 49.0071

Sweetspot

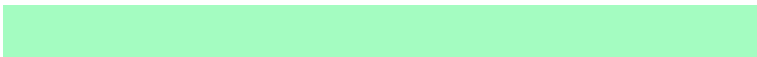
The Sweet Spot groups the original color and five complimentary colors.



59.0039, 67.1659, 101.9512



83.5722, 90.0590, 107.5861



59.7847, 81.3799, 63.2060



17.5655, 18.9923, 22.9900



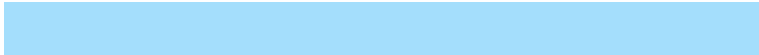
0.0000, 0.0000, 0.0000



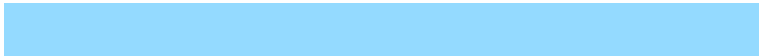
20.3446, 21.4041, 23.3091

Same Dimension

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



59.0039, 67.1659, 101.9512



55.4435, 63.9042, 104.0203



48.9356, 47.0294, 98.5951



17.2384, 18.5537, 22.0580



16.4074, 18.1703, 50.6160



1.6179, 1.8795, 4.7207

Inverse Universe

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



66.6069, 52.5222, 75.7372



64.5334, 47.4961, 72.4331



77.2279, 84.1389, 47.2939



17.7269, 17.4181, 20.4176



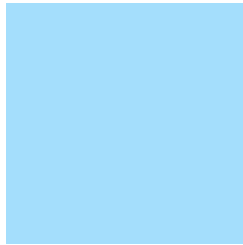
24.5737, 12.2452, 20.2614



2.3256, 1.1540, 2.1379

Previews

White Background



This preview shows how the XYZ color 59.0018, 67.1633, 101.9496 looks on a white background.

Color Contrast Check

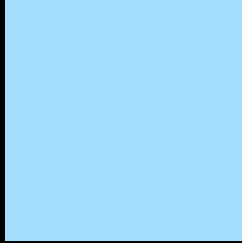
Large Text (above 18pt) WCAG AA × Fail

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 59.0018, 67.1633, 101.9496 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

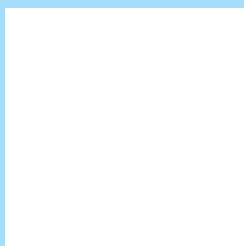
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.0018, 67.1633, 101.9496

Background



This preview shows how black text looks on a background with the XYZ color 59.0018, 67.1633, 101.9496.

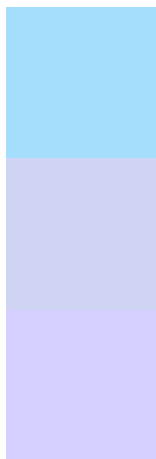


This preview shows how white text looks on a background with the XYZ color 59.0018, 67.1633,

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

59.0018, 67.1633, 101.9496

Protanopia

65.7570, 66.9449, 95.8421

Deuteranopia

68.0464, 66.4779, 103.8528



Tritanopia

57.3806, 67.2992, 93.9702

Trichromacy



Original Color

59.0018, 67.1633, 101.9496

Protanomaly

62.9850, 66.9654, 98.4129

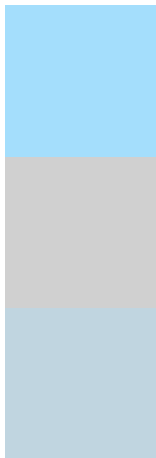
Deuteranomaly

64.1893, 66.3464, 103.1889

Tritanomaly

57.9225, 67.1106, 97.0896

Monochromacy



Original Color

59.0018, 67.1633, 101.9496

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.9870, 64.1768, 79.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0018, 67.1633, 101.9496 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(164, 222, 252)` looks like.

```
.text, #text, p{  
    color:rgb(164, 222, 252)  
}
```

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(164, 222, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 222, 252) }
```

Border

The CSS property to change the border of an element to XYZ 59.0018, 67.1633, 101.9496 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(164, 222, 252) }
```


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

```
.border{ border-color:rgb(164, 222, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 222, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 222, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 222, 252);  
box-shadow:4px 4px 4px 4px rgb(164, 222,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0018, 67.1633, 101.9496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 222, 252) }
```

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

```
.background{ background-color: rgb(164,  
222, 252) }
```

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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