

Converting Colors

XYZ(58.6981, 63.1934,
101.5736)

Have a look what the booklet for
XYZ(58.6981, 63.1934, 101.5736)
contains.

XYZ(58.5697, 63.1139, 101.1907)	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(58.5697, 63.1139,
101.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	AED4FC
RGB	174, 212, 252
RGB Percent	68%, 83%, 99%
CMY	0.3176, 0.1686, 0.0118
CMYK	0.31, 0.16, 0.00, 0.01
HSL	211°, 93%, 84%
HSV	211°, 31%, 99%
XYZ	58.5697, 63.1139, 101.1907
YIQ	205.1980, -35.4880, 4.3840

Conversions

Conversions Part 2

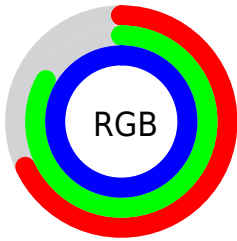
Format	Color
RYB	174, 200, 252
Decimal	11457788
CIELab	83.50, -3.41, -23.62
CIElCh	84, 23.863, 261.792
Yxy	63.1139, 0.2628, 0.2832
Android (android.graphics.Color)	4289647868 (0xFFAED4FC)
YUV	205.1980, 23.0734, -27.3606
Hunter-Lab	79.4443, -7.4296, -19.9086

Details

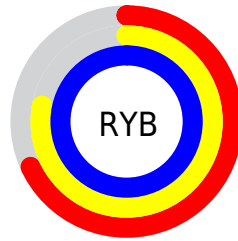
The XYZ color **58.5697, 63.1139, 101.1907** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.8324, 71.8453, 50.1277**, and the grayscale version is **58.0298, 61.0519, 66.4855**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **29.6849, 32.3158, 56.3028** is the 20% darker color. If you saturate the color by 10%, you get **50.3716, 54.2837, 99.9195**, and if you desaturate by 10%, it is **68.0835, 73.0091, 102.6003**.

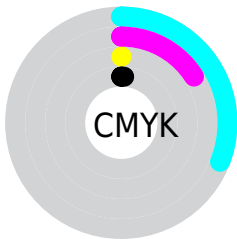
Distribution



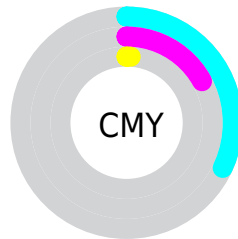
- Red (68%)
- Green (83%)
- Blue (99%)



- Red (68%)
- Yellow (78%)
- Blue (99%)



- Cyan (31%)
- Magenta (16%)
- Yellow (0%)
- Black (1%)



- Cyan (32%)
- Magenta (17%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5697, 63.1139, 101.1907 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 58.5697, 63.1139, 101.1907 by changing the saturation by 10% instead.

■ 58.5697, 63.1139,
101.1907

■ 58.5697, 63.1139,
101.1907

409.2252,
435.9827, 585.2827

■ 42.5119, 45.9334,
76.6729

■ 101.8702,
109.3338, 164.8586

■ 29.6952, 32.1932,
56.4745

129.8436,
139.1420, 204.8459

■ 19.7542, 21.5091,
40.1769

162.5196,
173.9281, 250.8266

■ 12.3238, 13.4967,
27.3617

200.2634,
214.0767, 303.2195

■ 7.0383, 7.7714,
17.6102

243.4406,
259.9720, 362.4430

■ 3.5326, 3.9490,
10.5040

292.4163,

■ 1.4413, 1.6451,

311.9986, 428.9157

5.6244

347.5561,
370.5407, 503.0561

■ 0.2854, 0.3877,
2.5530

■ 0.0000, 0.0000,
0.8680

■ 58.5697, 63.1139,
101.1907

■ 58.5697, 63.1139,
101.1907

■ 50.3716, 54.2837,
99.9195

■ 68.0835, 73.0091,
102.6003

■ 43.4182, 46.4687,
98.7775

■ 78.9673, 84.0015,
104.1484

■ 37.6404, 39.6253,
97.7611

■ 91.2793, 96.1311,
105.8408

■ 32.9592, 33.7032,
96.8648

■ 94.5709, 99.8084,
106.3771

■ 29.2846, 28.6460,
96.0823

■ 26.5097, 24.3881,
95.4067

■ 24.6260, 21.1386,
94.8788

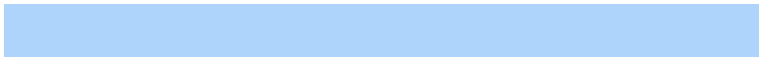
Harmonies

Analogous

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



54.0053, 63.1139, 93.8067



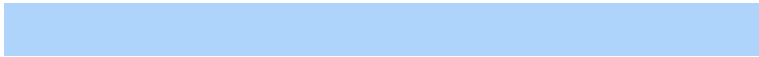
58.5697, 63.1139, 101.1907



63.7825, 63.1139, 98.9353

Triad

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



58.5697, 63.1139, 101.1907



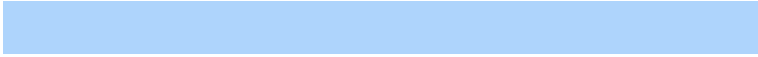
69.7741, 63.1139, 58.6144



52.4587, 63.1139, 52.4654

Complementary

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



58.5697, 63.1139, 101.1907



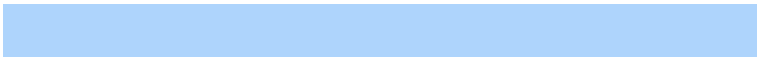
71.8324, 71.8453, 50.1277

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.



56.3468, 63.1139, 45.3838



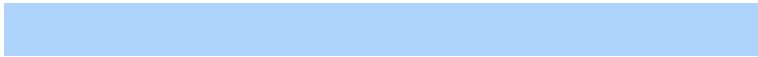
58.5697, 63.1139, 101.1907



66.3968, 63.1139, 48.5598

Square

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



58.5697, 63.1139, 101.1907



70.4543, 63.1139, 72.8961



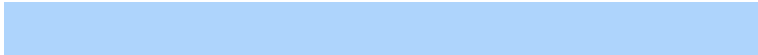
61.4287, 63.1139, 44.0653



50.6130, 63.1139, 64.7071

Rectangle

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



58.5697, 63.1139, 101.1907



66.9115, 63.1139, 92.3949



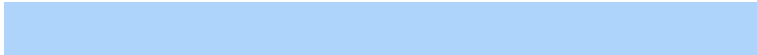
61.4287, 63.1139, 44.0653



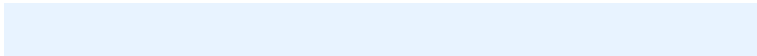
53.5591, 63.1139, 49.4804

Sweetspot

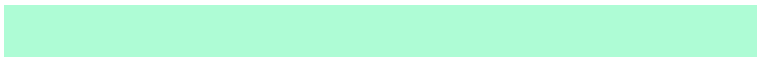
The Sweet Spot groups the original color and five complimentary colors.



58.5717, 63.1164, 101.1922



83.4648, 88.6239, 107.3148



64.2777, 83.4249, 75.6672



17.4883, 18.5948, 22.9174



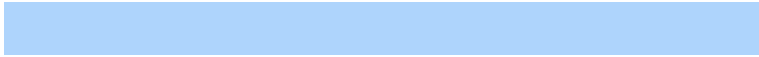
0.0000, 0.0000, 0.0000



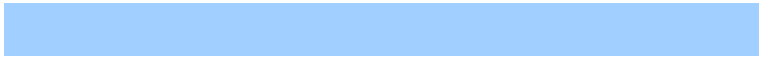
20.3446, 21.4041, 23.3091

Same Dimension

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



58.5717, 63.1164, 101.1922



54.8977, 59.2012, 103.1413



50.1639, 46.3008, 98.3896



16.9811, 18.0391, 21.9722



12.9743, 11.3041, 49.4716



1.3074, 1.2584, 4.6172

Inverse Universe

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



67.1662, 55.7228, 69.5055



65.1395, 51.1139, 65.2193



82.5965, 93.3734, 53.7157



17.5970, 17.3662, 19.7336



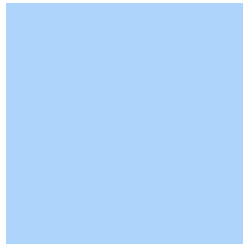
22.8408, 11.5521, 11.1362



2.1688, 1.0913, 1.3124

Previews

White Background



This preview shows how the XYZ color 58.5697, 63.1139, 101.1907 looks on a white background.

Color Contrast Check

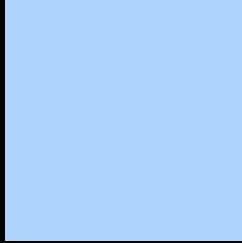
Large Text (above 18pt) WCAG AA × Fail

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 58.5697, 63.1139, 101.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

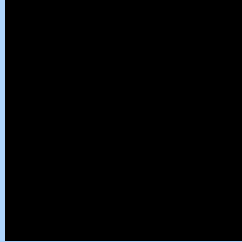
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

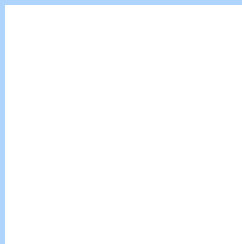
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5697, 63.1139, 101.1907

Background



This preview shows how black text looks on a background with the XYZ color 58.5697, 63.1139, 101.1907.



This preview shows how white text looks on a background with the XYZ color 58.5697, 63.1139,

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

58.5697, 63.1139, 101.1907

Protanopia

62.5678, 63.0620, 97.6815

Deuteranopia

64.4222, 62.8468, 102.5012



Tritanopia

55.5860, 63.0301, 86.3271

Trichromacy



Original Color

58.5697, 63.1139, 101.1907

Protanomaly

60.8900, 62.8985, 98.5539

Deuteranomaly

62.0491, 62.7038, 101.7612

Tritanomaly

56.5693, 63.0423, 91.6249

Monochromacy



Original Color

58.5697, 63.1139, 101.1907

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

57.9888, 61.8550, 77.9901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5697, 63.1139, 101.1907 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(174, 212, 252)` looks like.

```
.text, #text, p{  
    color:rgb(174, 212, 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(174, 212, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 212, 252) }
```

Border

The CSS property to change the border of an element to XYZ 58.5697, 63.1139, 101.1907 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(174, 212, 252) }
```


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

```
.border{ border-color:rgb(174, 212, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 212, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 212, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 212, 252);  
box-shadow:4px 4px 4px 4px rgb(174, 212,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5697, 63.1139, 101.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 212, 252) }
```

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

```
.background{ background-color: rgb(174,  
212, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor