

Converting Colors

XYZ(56.9316, 63.8741,
103.9361)

Have a look what the booklet for
XYZ(56.9316, 63.8741, 103.9361)
contains.

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Color

**XYZ(56.9039, 63.7027,
103.9044)**

Conversions

Conversions Part 1

Format	Color
Hex	9FD8FF
RGB	159, 216, 255
RGB Percent	62%, 85%, 100%
CMY	0.3765, 0.1529, 0.0000
CMYK	0.38, 0.15, 0.00, 0.00
HSL	204°, 100%, 81%
HSV	204°, 38%, 100%
XYZ	56.9039, 63.7027, 103.9044
YIQ	203.4030, -46.4910, 0.0450

Conversions

Conversions Part 2

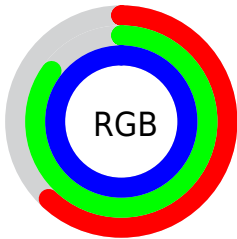
Format	Color
R _Y B	159, 195, 255
Decimal	10475775
CIE Lab	83.81, -8.81, -24.82
CIE LCh	84, 26.334, 250.457
Yxy	63.7027, 0.2535, 0.2837
Android (android.graphics.Color)	4288665855 (0xFF9FD8FF)
YUV	203.4030, 25.4373, -38.9414
Hunter-Lab	79.8140, -12.4117, -21.3159

Details

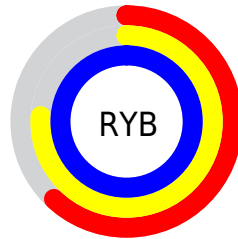
The XYZ color **56.9039, 63.7027, 103.9044** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.6924, 64.1515, 41.6173**, and the grayscale version is **56.8856, 59.8480, 65.1745**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **28.5314, 32.4505, 58.1859** is the 20% darker color. If you saturate the color by 10%, you get **49.7886, 56.2196, 102.8351**, and if you desaturate by 10%, it is **65.2332, 72.0629, 105.0791**.

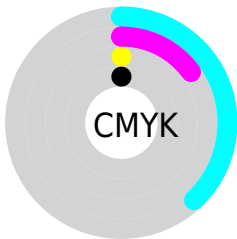
Distribution



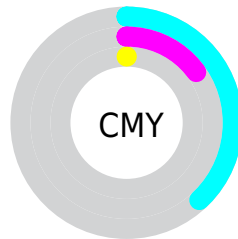
- Red (62%)
- Green (85%)
- Blue (100%)



- Red (62%)
- Yellow (76%)
- Blue (100%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9039, 63.7027, 103.9044 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 56.9039, 63.7027, 103.9044 by changing the saturation by 10% instead.

■ 56.9039, 63.7027,
103.9044

■ 56.9039, 63.7027,
103.9044

403.1091,
438.1152, 593.9926

■ 41.1679, 46.4099,
78.9303

■ 99.4571, 110.1827,
168.6110

■ 28.6386, 32.5694,
58.3175

■ 127.0051,
140.1386, 209.1805

■ 18.9505, 21.7968,
41.6476

159.2211,
175.0845, 255.7855

■ 11.7383, 13.7077,
28.5019

196.4705,
215.4045, 308.8446

■ 6.6367, 7.9176,
18.4620

239.1186,
261.4833, 368.7763

■ 3.2802, 4.0423,
11.1093

287.5309,

■ 1.3036, 1.6972,

313.7050, 435.9992

6.0253

342.0726,
372.4542, 510.9318

■ 0.1859, 0.4219,
2.7914

■ 0.0000, 0.0000,
0.9892

■ 56.9039, 63.7027,
103.9044

■ 56.9039, 63.7027,
103.9044

■ 49.7886, 56.2196,
102.8351

■ 65.2332, 72.0629,
105.0791

■ 43.8142, 49.5671,
101.8659

■ 74.8330, 81.3294,
106.3618

■ 38.9075, 43.7042,
100.9929

■ 85.7628, 91.5386,
107.7563

■ 34.9838, 38.5824,
100.2110

95.0500, 100.0000,
108.9000

■ 31.9435, 34.1454,
99.5149

■ 29.6563, 30.3210,
98.8972

■ 29.1831, 29.4863,
98.7610

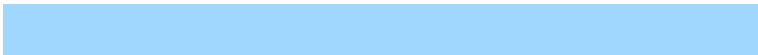
Harmonies

Analogous

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



52.4755, 63.7027, 92.1424



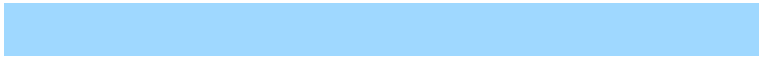
56.9039, 63.7027, 103.9044



62.5879, 63.7027, 105.6230

Triad

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



56.9039, 63.7027, 103.9044



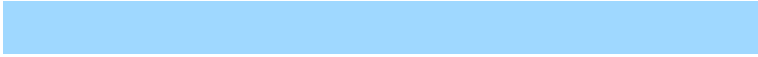
72.1525, 63.7027, 63.7412



53.6158, 63.7027, 47.8446

Complementary

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



56.9039, 63.7027, 103.9044



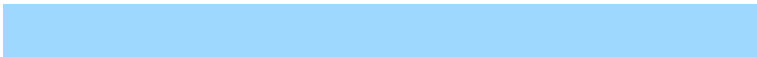
67.6924, 64.1515, 41.6173

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.



58.5519, 63.7027, 42.5240



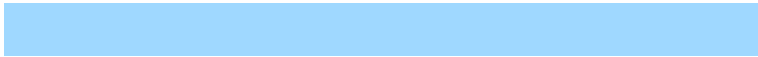
56.9039, 63.7027, 103.9044



69.4075, 63.7027, 50.6835

Square

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



56.9039, 63.7027, 103.9044



71.6413, 63.7027, 80.5676



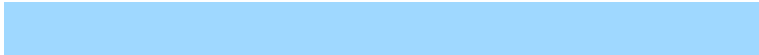
64.3434, 63.7027, 43.4732



50.6625, 63.7027, 59.2457

Rectangle

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



56.9039, 63.7027, 103.9044



66.3599, 63.7027, 100.5894



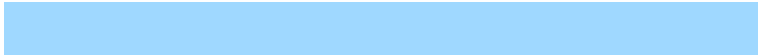
64.3434, 63.7027, 43.4732



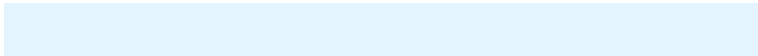
55.0848, 63.7027, 45.3747

Sweetspot

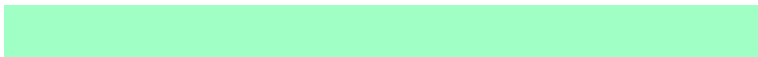
The Sweet Spot groups the original color and five complimentary colors.



56.9057, 63.7051, 103.9048



81.9449, 88.0069, 107.2758



60.1831, 82.9410, 65.9026



17.2186, 18.5382, 22.9207



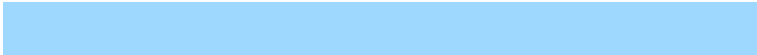
0.0000, 0.0000, 0.0000



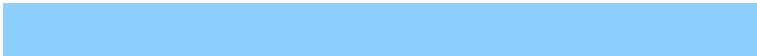
20.3446, 21.4041, 23.3091

Same Dimension

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



56.9057, 63.7051, 103.9048



51.5574, 58.1172, 103.1081



46.4631, 42.8199, 100.4239



17.8998, 19.1712, 23.0069



15.3993, 15.7081, 51.6549



1.6067, 1.7442, 5.0652

Inverse Universe

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



66.0340, 51.0157, 71.3351



62.0873, 44.6624, 65.2719



80.2720, 89.3107, 45.8105



18.4621, 18.1681, 21.0504



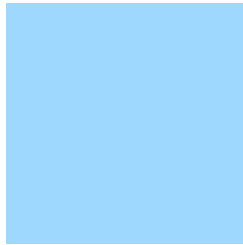
24.5610, 12.3137, 16.8707



2.4456, 1.2206, 1.9280

Previews

White Background



This preview shows how the XYZ color 56.9039, 63.7027, 103.9044 looks on a white background.

Color Contrast Check

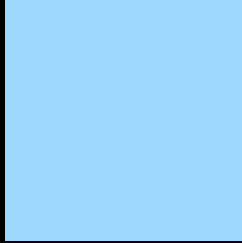
Large Text (above 18pt) WCAG AA × Fail

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 56.9039, 63.7027, 103.9044 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

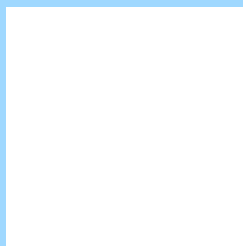
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.9039, 63.7027, 103.9044

Background



This preview shows how black text looks on a background with the XYZ color 56.9039, 63.7027, 103.9044.



This preview shows how white text looks on a background with the XYZ color 56.9039, 63.7027,

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

56.9039, 63.7027, 103.9044

Protanopia

62.5678, 63.0620, 97.6815

Deuteranopia

64.5447, 63.2431, 103.4130



Tritanopia

53.9440, 63.6475, 89.5628

Trichromacy



Original Color

56.9039, 63.7027, 103.9044

Protanomaly

60.2263, 63.2486, 100.3007

Deuteranomaly

61.3449, 63.0231, 103.5392

Tritanomaly

55.1108, 63.7424, 94.9868

Monochromacy



Original Color

56.9039, 63.7027, 103.9044

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

56.2342, 60.9505, 77.9080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9039, 63.7027, 103.9044 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(159, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 216, 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(159, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.9039, 63.7027, 103.9044 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(159, 216, 255) }
```


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

```
.border{ border-color:rgb(159, 216, 255) }
```

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

Here you see how a box with a 4 pixel rgb(159, 216, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9039, 63.7027, 103.9044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 216, 255) }
```

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

```
.background{ background-color: rgb(159,  
216, 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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