

Converting Colors

XYZ(61.6035, 66.0437,
127.0180)

Have a look what the booklet for
XYZ(61.6035, 66.0437, 127.0180)
contains.

XYZ(57.1609, 64.2166, 103.9901)	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(57.1609, 64.2166,
103.9901)**

Conversions

Conversions Part 1

Format	Color
Hex	9FD9FF
RGB	159, 217, 255
RGB Percent	62%, 85%, 100%
CMY	0.3765, 0.1490, 0.0000
CMYK	0.38, 0.15, 0.00, 0.00
HSL	204°, 100%, 81%
HSV	204°, 38%, 100%
XYZ	57.1609, 64.2166, 103.9901
YIQ	203.9900, -46.7660, -0.4780

Conversions

Conversions Part 2

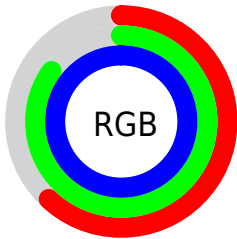
Format	Color
R_{YB}	159, 195, 255
Decimal	10476031
CIE Lab	84.08, -9.33, -24.41
CIE LCh	84, 26.131, 249.083
Yxy	64.2166, 0.2536, 0.2849
Android (android.graphics.Color)	4288666111 (0xFF9FD9FF)
YUV	203.9900, 25.1479, -39.4562
Hunter-Lab	80.1353, -12.9117, -20.8449

Details

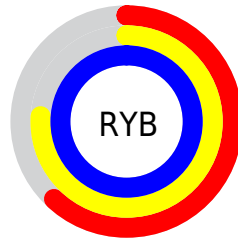
The XYZ color **57.1609, 64.2166, 103.9901** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.4647, 63.6960, 41.5416**, and the grayscale version is **57.2571, 60.2389, 65.6002**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **28.7069, 32.8014, 58.2444** is the 20% darker color. If you saturate the color by 10%, you get **50.0938, 56.8300, 102.9368**, and if you desaturate by 10%, it is **65.4338, 72.4639, 105.1460**.

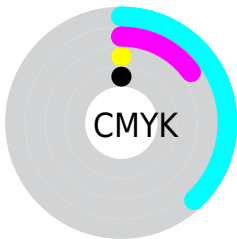
Distribution



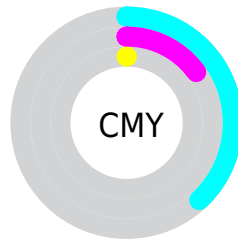
- Red (62%)
- Green (85%)
- Blue (100%)



- 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 57.1609, 64.2166, 103.9901 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 57.1609, 64.2166, 103.9901 by changing the saturation by 10% instead.

■ 57.1609, 64.2166,
103.9901

■ 57.1609, 64.2166,
103.9901

404.0564,
439.9714, 594.2665

■ 41.3751, 46.8261,
79.0016

■ 99.8299, 110.9228,
168.7293

■ 28.8012, 32.8982,
58.3758

■ 127.4438,
141.0074, 209.3171

■ 19.0740, 22.0485,
41.6942

159.7312,
176.0920, 255.9417

■ 11.8281, 13.8925,
28.5381

197.0573,
216.5612, 309.0217

■ 6.6981, 8.0460,
18.4891

239.7875,
262.7994, 368.9757

■ 3.3187, 4.1244,
11.1287

288.2872,

■ 1.3244, 1.7434,

315.1909, 436.2221

6.0382

342.9217,
374.1201, 511.1796

■ 0.2014, 0.4515,
2.7991

■ 0.0000, 0.0000,
0.9930

■ 57.1609, 64.2166,
103.9901

■ 57.1609, 64.2166,
103.9901

■ 50.0938, 56.8300,
102.9368

■ 65.4338, 72.4639,
105.1460

■ 44.1597, 50.2580,
101.9811

■ 74.9688, 81.6008,
106.4070

■ 39.2856, 44.4603,
101.1189

■ 85.8251, 91.6630,
107.7770

■ 35.3869, 39.3887,
100.3454

95.0500, 100.0000,
108.9000

■ 32.3646, 34.9876,
99.6552

■ 30.0884, 31.1852,
99.0413

■ 29.6169, 30.3537,
98.9056

Harmonies

Analogous

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



52.8244, 64.2166, 91.9213



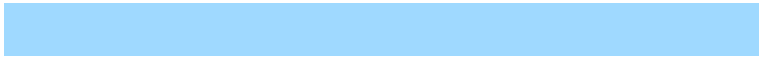
57.1609, 64.2166, 103.9901



62.8038, 64.2166, 106.2145

Triad

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



57.1609, 64.2166, 103.9901



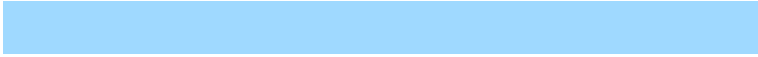
72.6572, 64.2166, 65.0251



54.3066, 64.2166, 48.0474

Complementary

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



57.1609, 64.2166, 103.9901



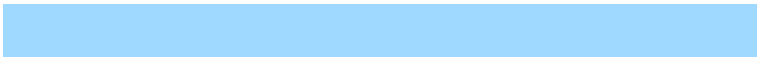
67.4647, 63.6960, 41.5416

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.



59.3016, 64.2166, 43.0094



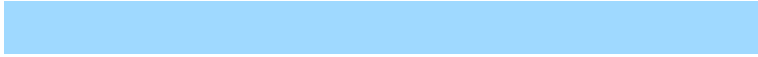
57.1609, 64.2166, 103.9901



70.0573, 64.2166, 51.7449

Square

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



57.1609, 64.2166, 103.9901



71.9944, 64.2166, 81.8866



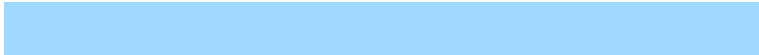
65.0823, 64.2166, 44.2472



51.2500, 64.2166, 59.1817

Rectangle

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



57.1609, 64.2166, 103.9901



66.5879, 64.2166, 101.5190



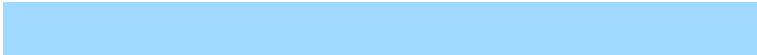
65.0823, 64.2166, 44.2472



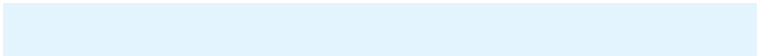
55.8015, 64.2166, 45.6713

Sweetspot

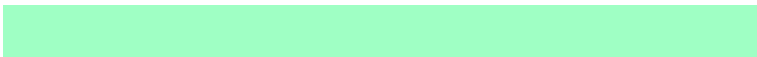
The Sweet Spot groups the original color and five complimentary colors.



57.1627, 64.2190, 103.9905



82.0326, 88.1825, 107.3051



60.0002, 82.8679, 64.9396



17.2396, 18.5800, 22.9276



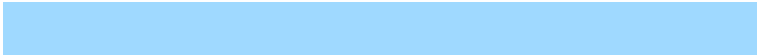
0.0000, 0.0000, 0.0000



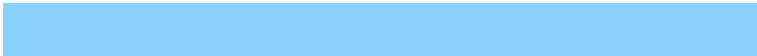
20.3446, 21.4041, 23.3091

Same Dimension

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



57.1627, 64.2190, 103.9905



51.8506, 58.7036, 103.2059



46.7618, 43.4172, 100.5235



17.9162, 19.2040, 23.0124



15.6253, 16.1601, 51.7303



1.6281, 1.7868, 5.0724

Inverse Universe

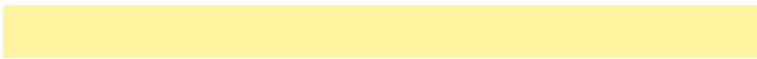
The Inverse Universe completely reimagines the original color for something new.



66.1637, 51.0676, 72.0180



62.2353, 44.7216, 66.0512



79.7890, 88.3447, 45.6497



18.4703, 18.1714, 21.0939



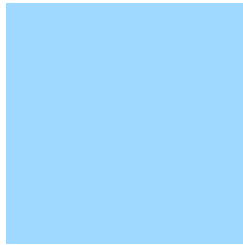
24.6751, 12.3593, 17.4715



2.4564, 1.2249, 1.9847

Previews

White Background



This preview shows how the XYZ color 57.1609, 64.2166, 103.9901 looks on a white background.

Color Contrast Check

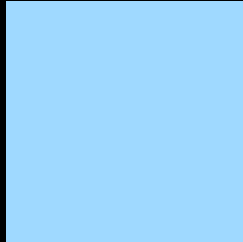
Large Text (above 18pt) WCAG AA × Fail

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 57.1609, 64.2166, 103.9901 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

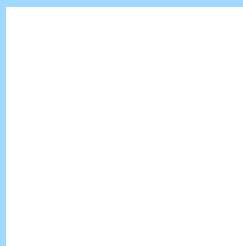
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.1609, 64.2166, 103.9901

Background



This preview shows how black text looks on a background with the XYZ color 57.1609, 64.2166, 103.9901.



This preview shows how white text looks on a background with the XYZ color 57.1609, 64.2166,

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

57.1609, 64.2166, 103.9901

Protanopia

63.3435, 63.8205, 97.7870

Deuteranopia

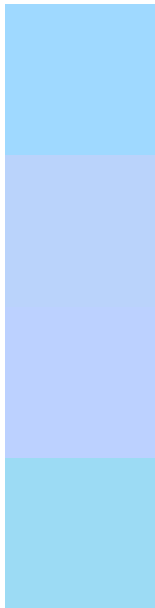
65.0582, 63.8618, 103.5054



Tritanopia

54.5434, 64.3280, 90.4307

Trichromacy



Original Color

57.1609, 64.2166, 103.9901

Protanomaly

60.9566, 63.9927, 100.4059

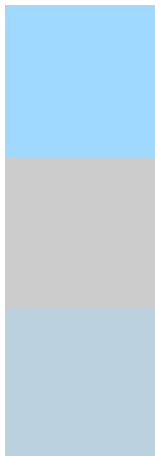
Deuteranomaly

61.5895, 63.5123, 103.6207

Tritanomaly

55.3710, 64.2626, 95.0735

Monochromacy



Original Color

57.1609, 64.2166, 103.9901

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

56.8588, 61.6200, 78.7091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.1609, 64.2166, 103.9901 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 217, 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, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.1609, 64.2166, 103.9901 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, 217, 255) }
```


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

```
.border{ border-color:rgb(159, 217, 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, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.1609, 64.2166, 103.9901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 217, 255) }
```

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

```
.background{ background-color: rgb(159,  
217, 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](#).

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