

Converting Colors

XYZ(58.4047, 63.6174,
106.7952)

Have a look what the booklet for
XYZ(58.4047, 63.6174, 106.7952)
contains.

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Color

**XYZ(57.8225, 63.4201,
103.8015)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D6FF
RGB	166, 214, 255
RGB Percent	65%, 84%, 100%
CMY	0.3490, 0.1608, 0.0000
CMYK	0.35, 0.16, 0.00, 0.00
HSL	208°, 100%, 83%
HSV	208°, 35%, 100%
XYZ	57.8225, 63.4201, 103.8015
YIQ	204.3220, -41.7690, 2.5750

Conversions

Conversions Part 2

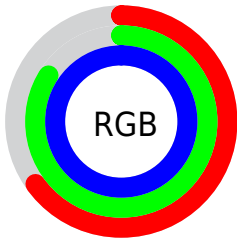
Format	Color
R_{YB}	166, 197, 255
Decimal	10934015
CIE _{Lab}	83.66, -5.92, -25.01
CIE _{LCh}	84, 25.697, 256.689
Yxy	63.4201, 0.2569, 0.2818
Android (android.graphics.Color)	4289124095 (0xFFA6D6FF)
YUV	204.3220, 24.9843, -33.6084
Hunter-Lab	79.6367, -9.7593, -21.5351

Details

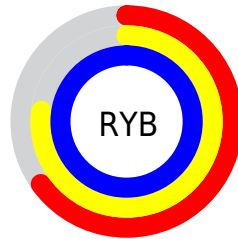
The XYZ color **57.8225, 63.4201, 103.8015** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.4363, 68.6392, 45.6148**, and the grayscale version is **57.4655, 60.4582, 65.8390**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **29.1467, 32.2530, 58.1153** is the 20% darker color. If you saturate the color by 10%, you get **50.1313, 55.2012, 102.6204**, and if you desaturate by 10%, it is **66.7915, 72.6189, 105.1043**.

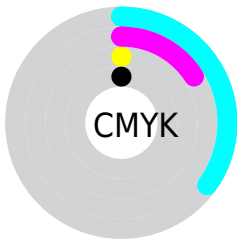
Distribution



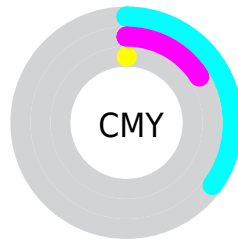
- Red (65%)
- Green (84%)
- Blue (100%)



- Red (65%)
- Yellow (77%)
- Blue (100%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8225, 63.4201, 103.8015 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 57.8225, 63.4201, 103.8015 by changing the saturation by 10% instead.

■ 57.8225, 63.4201,
103.8015

■ 57.8225, 63.4201,
103.8015

406.4887,
437.0925, 593.6635

■ 41.9087, 46.1811,
78.8446

■ 100.7888,
109.7754, 168.4689

■ 29.2206, 32.3888,
58.2475

■ 128.5720,
139.6605, 209.0164

■ 19.3929, 21.6586,
41.5916

161.0423,
174.5297, 255.5979

■ 12.0602, 13.6063,
28.4585

198.5651,
214.7676, 308.6318

■ 6.8572, 7.8473,
18.4295

241.5058,
260.7584, 368.5369

■ 3.4185, 3.9974,
11.0862

290.2298,

■ 1.3787, 1.6721,

312.8865, 435.7315

6.0099

345.1023,
371.5365, 510.6342

■ 0.2410, 0.4055,
2.7822

■ 0.0000, 0.0000,
0.9845

■ 57.8225, 63.4201,
103.8015

■ 57.8225, 63.4201,
103.8015

■ 50.1313, 55.2012,
102.6204

■ 66.7915, 72.6189,
105.1043

■ 43.6450, 47.9135,
101.5556

■ 77.0949, 82.8290,
106.5320

■ 38.2912, 41.5144,
100.6027

■ 88.7924, 94.0888,
108.0888

■ 33.9865, 35.9538,
99.7562

95.0500, 100.0000,
108.9000

■ 30.6344, 31.1745,
99.0104

■ 28.1173, 27.1081,
98.3582

■ 27.0716, 25.2633,
98.0572

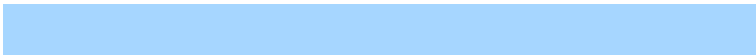
Harmonies

Analogous

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



53.1590, 63.4201, 94.1379



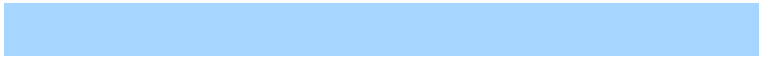
57.8225, 63.4201, 103.8015



63.4390, 63.4201, 103.1825

Triad

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



57.8225, 63.4201, 103.8015



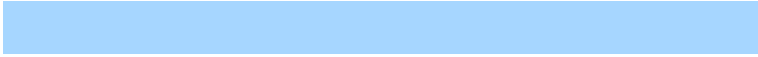
71.2456, 63.4201, 60.5336



52.7454, 63.4201, 49.9082

Complementary

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



57.8225, 63.4201, 103.8015



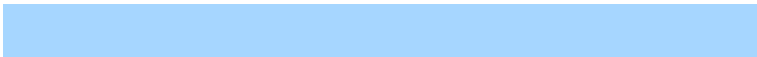
70.4363, 68.6392, 45.6148

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.



57.2255, 63.4201, 43.4266



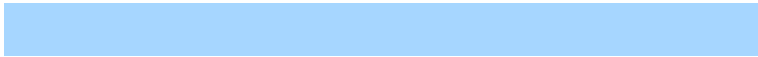
57.8225, 63.4201, 103.8015



68.0078, 63.4201, 48.8754

Square

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



57.8225, 63.4201, 103.8015



71.4303, 63.4201, 76.4348



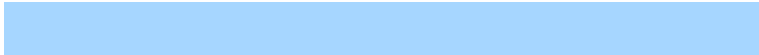
62.8039, 63.4201, 43.0805



50.3531, 63.4201, 62.1637

Rectangle

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



57.8225, 63.4201, 103.8015



66.9757, 63.4201, 96.9944



62.8039, 63.4201, 43.0805



54.0441, 63.4201, 47.0712

Sweetspot

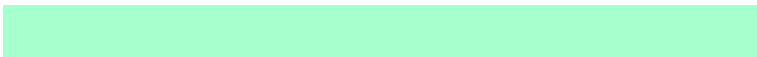
The Sweet Spot groups the original color and five complimentary colors.



57.8243, 63.4225, 103.8018



82.6493, 88.2133, 107.2785



62.6337, 84.0862, 71.3550



17.3420, 18.5452, 22.9155



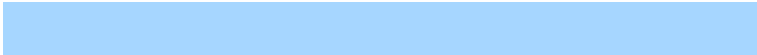
0.0000, 0.0000, 0.0000



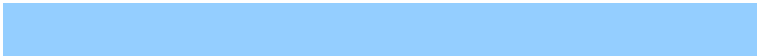
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8243, 63.4225, 103.8018



52.2351, 57.4875, 102.9509



48.2368, 44.2475, 100.6060



17.8146, 19.0008, 22.9785



14.2967, 13.5029, 51.2874



1.5014, 1.5334, 5.0301

Inverse Universe

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



67.0151, 53.3892, 70.3939



62.9140, 46.8484, 63.9054



82.4802, 92.7270, 49.6294



18.4191, 18.1509, 20.8240



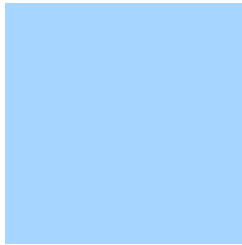
24.0045, 12.0911, 13.9401



2.3924, 1.1993, 1.6479

Previews

White Background



This preview shows how the XYZ color 57.8225, 63.4201, 103.8015 looks on a white background.

Color Contrast Check

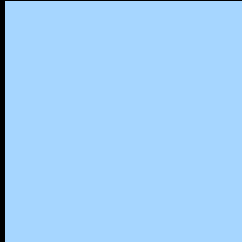
Large Text (above 18pt) WCAG AA × Fail

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 57.8225, 63.4201, 103.8015 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

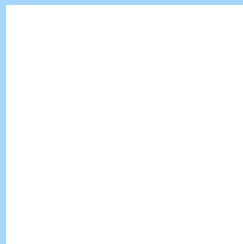
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.8225, 63.4201, 103.8015

Background



This preview shows how black text looks on a background with the XYZ color 57.8225, 63.4201, 103.8015.



This preview shows how white text looks on a background with the XYZ color 57.8225, 63.4201,

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

57.8225, 63.4201, 103.8015

Protanopia

62.8798, 63.1869, 99.3246

Deuteranopia

64.2715, 63.1022, 103.4002



Tritanopia

54.5062, 63.2009, 87.9235

Trichromacy



Original Color

57.8225, 63.4201, 103.8015

Protanomaly

60.8647, 63.1940, 101.0852

Deuteranomaly

61.8411, 63.2789, 103.5624

Tritanomaly

55.6871, 63.3091, 93.2892

Monochromacy



Original Color

57.8225, 63.4201, 103.8015

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.1104, 61.3866, 78.6508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8225, 63.4201, 103.8015 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(166, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 214, 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(166, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.8225, 63.4201, 103.8015 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(166, 214, 255) }
```


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

```
.border{ border-color:rgb(166, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8225, 63.4201, 103.8015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 214, 255) }
```

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

```
.background{ background-color: rgb(166,  
214, 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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