

Converting Colors

XYZ(59.4235, 65.0477,
108.0022)

Have a look what the booklet for
XYZ(59.4235, 65.0477, 108.0022)
contains.

XYZ(58.5422, 64.5472, 103.9811)	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(58.5422, 64.5472,
103.9811)**

Conversions

Conversions Part 1

Format	Color
Hex	A7D8FF
RGB	167, 216, 255
RGB Percent	65%, 85%, 100%
CMY	0.3451, 0.1529, 0.0000
CMYK	0.35, 0.15, 0.00, 0.00
HSL	207°, 100%, 83%
HSV	207°, 35%, 100%
XYZ	58.5422, 64.5472, 103.9811
YIQ	205.7950, -41.7230, 1.7410

Conversions

Conversions Part 2

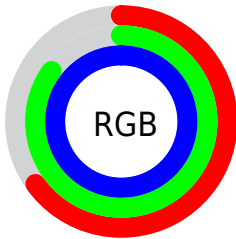
Format	Color
R_{YB}	167, 198, 255
Decimal	11000063
CIE _{Lab}	84.25, -6.70, -24.11
CIE _{LCh}	84, 25.020, 254.478
Yxy	64.5472, 0.2578, 0.2843
Android (android.graphics.Color)	4289190143 (0xFFA7D8FF)
YUV	205.7950, 24.2581, -34.0232
Hunter-Lab	80.3413, -10.5298, -20.4968

Details

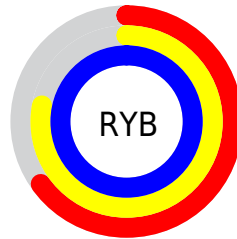
The XYZ color **58.5422, 64.5472, 103.9811** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.2867, 68.1928, 46.0191**, and the grayscale version is **58.4057, 61.4473, 66.9161**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **29.6200, 33.0117, 58.2368** is the 20% darker color. If you saturate the color by 10%, you get **50.8808, 56.4479, 102.8216**, and if you desaturate by 10%, it is **67.4685, 73.5972, 105.2575**.

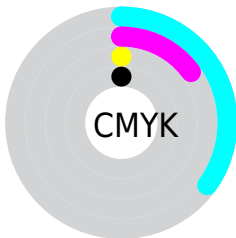
Distribution



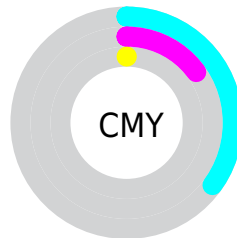
- Red (65%)
- Green (85%)
- Blue (100%)



- Red (65%)
- Yellow (78%)
- Blue (100%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5422, 64.5472, 103.9811 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 58.5422, 64.5472, 103.9811 by changing the saturation by 10% instead.

■ 58.5422, 64.5472,
103.9811

■ 58.5422, 64.5472,
103.9811

409.1246,
441.1630, 594.2378

■ 42.4897, 47.0940,
78.9941

■ 101.8304,
111.3986, 168.7169

■ 29.6777, 33.1100,
58.3697

■ 129.7968,
141.5656, 209.3027

■ 19.7409, 22.2107,
41.6893

162.4652,
176.7394, 255.9253

■ 12.3140, 14.0118,
28.5343

200.2010,
217.3043, 309.0031

■ 7.0316, 8.1289,
18.4863

243.3695,
263.6447, 368.9548

■ 3.5284, 4.1775,
11.1266

292.3360,

■ 1.4390, 1.7734,

316.1450, 436.1987

6.0368

347.4659,
375.1897, 511.1535

■ 0.2837, 0.4705,
2.7983

■ 0.0000, 0.0000,
0.9926

■ 58.5422, 64.5472,
103.9811

■ 58.5422, 64.5472,
103.9811

■ 50.8808, 56.4479,
102.8216

■ 67.4685, 73.5972,
105.2575

■ 44.4121, 49.2516,
101.7735

■ 77.7155, 83.6279,
106.6535

■ 39.0646, 42.9169,
100.8326

■ 89.3425, 94.6769,
108.1734

■ 34.7557, 37.3950,
99.9939

95.0500, 100.0000,
108.9000

■ 31.3904, 32.6303,
99.2516

■ 28.8526, 28.5563,
98.5990

■ 27.7222, 26.5645,
98.2741

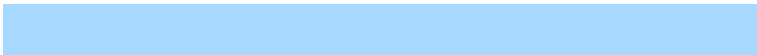
Harmonies

Analogous

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



54.0560, 64.5472, 93.9070



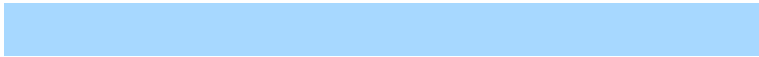
58.5422, 64.5472, 103.9811



64.0532, 64.5472, 104.1682

Triad

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



58.5422, 64.5472, 103.9811



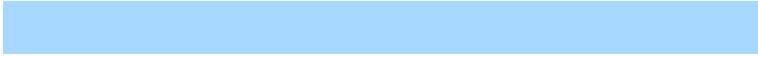
72.2581, 64.5472, 62.9233



54.1823, 64.5472, 50.6755

Complementary

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



58.5422, 64.5472, 103.9811



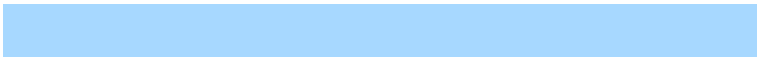
70.2867, 68.1928, 46.0191

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.



58.7242, 64.5472, 44.6776



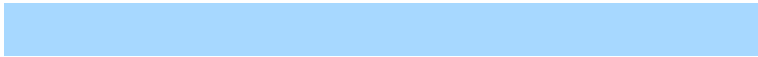
58.5422, 64.5472, 103.9811



69.2727, 64.5472, 50.9924

Square

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



58.5422, 64.5472, 103.9811



72.2021, 64.5472, 78.7692



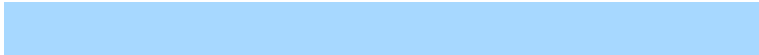
64.2465, 64.5472, 44.7842



51.6441, 64.5472, 62.4255

Rectangle

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



58.5422, 64.5472, 103.9811



67.5829, 64.5472, 98.5625



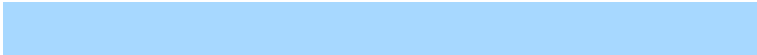
64.2465, 64.5472, 44.7842



55.5129, 64.5472, 48.0040

Sweetspot

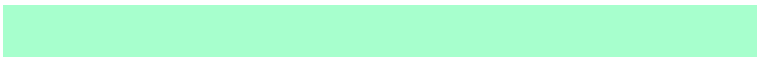
The Sweet Spot groups the original color and five complimentary colors.



58.5440, 64.5496, 103.9815



82.7832, 88.4811, 107.3232



62.7330, 84.1502, 70.7797



17.3744, 18.6100, 22.9263



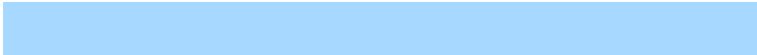
0.0000, 0.0000, 0.0000



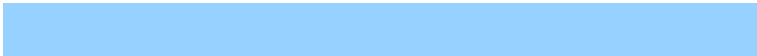
20.3446, 21.4041, 23.3091

Same Dimension

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



58.5440, 64.5496, 103.9815



53.4297, 59.1849, 103.2155



48.9059, 45.2733, 100.7687



17.8419, 19.0555, 22.9877



14.6368, 14.1832, 51.4008



1.5341, 1.5989, 5.0410

Inverse Universe

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



67.4546, 53.8569, 71.8086



63.6858, 47.8036, 65.9767



82.1324, 91.8841, 49.9677



18.4329, 18.1565, 20.8966



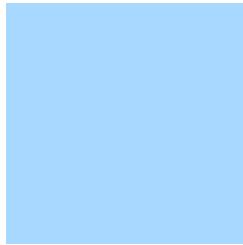
24.1762, 12.1598, 14.8442



2.4090, 1.2060, 1.7350

Previews

White Background



This preview shows how the XYZ color 58.5422, 64.5472, 103.9811 looks on a white background.

Color Contrast Check

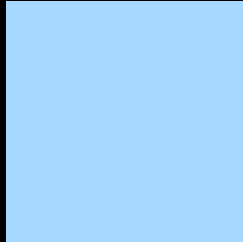
Large Text (above 18pt) WCAG AA × Fail

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 58.5422, 64.5472, 103.9811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

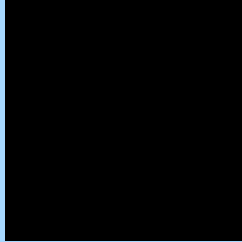
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

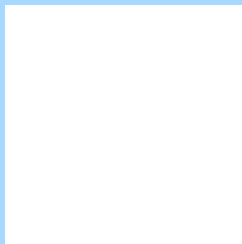
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5422, 64.5472, 103.9811

Background



This preview shows how black text looks on a background with the XYZ color 58.5422, 64.5472, 103.9811.



This preview shows how white text looks on a background with the XYZ color 58.5422, 64.5472,

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

58.5422, 64.5472, 103.9811

Protanopia

63.7422, 64.3688, 98.6874

Deuteranopia

65.3349, 64.0045, 103.5183



Tritanopia

55.7218, 64.5640, 89.6460

Trichromacy



Original Color

58.5422, 64.5472, 103.9811

Protanomaly

61.6931, 64.3724, 100.4403

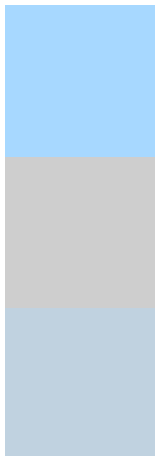
Deuteranomaly

62.5887, 64.0274, 103.6675

Tritanomaly

56.7104, 64.5670, 95.0617

Monochromacy



Original Color

58.5422, 64.5472, 103.9811

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.2394, 62.6815, 79.5502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5422, 64.5472, 103.9811 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(167, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.5422, 64.5472, 103.9811 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(167, 216, 255) }
```


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

```
.border{ border-color:rgb(167, 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(167, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5422, 64.5472, 103.9811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 216, 255) }
```

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

```
.background{ background-color: rgb(167,  
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](#).

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