

Converting Colors

XYZ(55.1728, 58.4301,
102.9780)

Have a look what the booklet for
XYZ(55.1728, 58.4301, 102.9780)
contains.

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Color

**XYZ(55.1599, 58.4051,
102.9738)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CCFF
RGB	165, 204, 255
RGB Percent	65%, 80%, 100%
CMY	0.3529, 0.2000, 0.0000
CMYK	0.35, 0.20, 0.00, 0.00
HSL	214°, 100%, 82%
HSV	214°, 35%, 100%
XYZ	55.1599, 58.4051, 102.9738
YIQ	198.1530, -39.6150, 7.5930

Conversions

Conversions Part 2

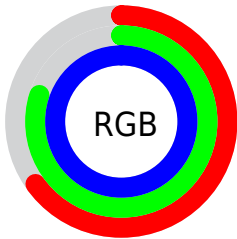
Format	Color
R _Y B	165, 192, 255
Decimal	10865919
CIE _{Lab}	80.96, -0.89, -29.14
CIE _{LCh}	81, 29.149, 268.258
Yxy	58.4051, 0.2547, 0.2697
Android (android.graphics.Color)	4289055999 (0xFFA5CCFF)
YUV	198.1530, 28.0256, -29.0752
Hunter-Lab	76.4232, -4.9049, -26.3920

Details

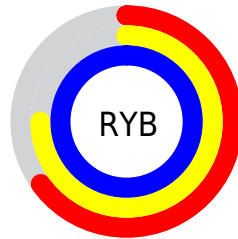
The XYZ color **55.1599, 58.4051, 102.9738** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.5877, 73.0885, 45.8808**, and the grayscale version is **53.6232, 56.4158, 61.4368**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **27.5298, 29.2049, 57.6122** is the 20% darker color. If you saturate the color by 10%, you get **47.0988, 49.3866, 101.6579**, and if you desaturate by 10%, it is **64.6004, 68.6104, 104.4461**.

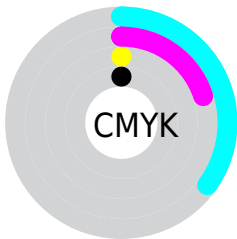
Distribution



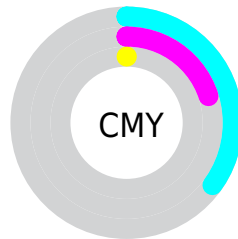
- Red (65%)
- Green (80%)
- Blue (100%)



- Red (65%)
- Yellow (75%)
- Blue (100%)



- Cyan (35%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1599, 58.4051, 102.9738 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 55.1599, 58.4051, 102.9738 by changing the saturation by 10% instead.

■ 55.1599, 58.4051,
102.9738

■ 55.1599, 58.4051,
102.9738

396.6443,
418.6937, 591.0134

■ 39.7641, 42.1344,
78.1557

■ 96.9222, 102.5125,
167.3253

■ 27.5381, 29.2066,
57.6847

■ 124.0193,
131.1181, 207.6958

■ 18.1164, 19.2371,
41.1422

155.7477,
164.6040, 254.0875

■ 11.1338, 11.8417,
28.1097

192.4725,
203.3548, 306.9190

■ 6.2248, 6.6360,
18.1686

234.5593,
247.7547, 366.6088

■ 3.0242, 3.2355,
10.9004

282.3732,

■ 1.1666, 1.2559,

298.1883, 433.5754

5.8866

336.2798,
355.0398, 508.2374

■ 0.0797, 0.1067,
2.7086

■ 0.0000, 0.0000,
0.9477

■ 55.1599, 58.4051,
102.9738

■ 55.1599, 58.4051,
102.9738

■ 47.0988, 49.3866,
101.6579

■ 64.6004, 68.6104,
104.4461

■ 40.3403, 41.4984,
100.4916

■ 75.4814, 80.0423,
106.0792

■ 34.8071, 34.6888,
99.4688

■ 87.8665, 92.7468,
107.8786

■ 30.4108, 28.8981,
98.5828

95.0500, 100.0000,
108.9000

■ 27.0494, 24.0592,
97.8260

■ 24.5988, 20.0924,
97.1895

■ 23.6805, 18.4811,
96.9268

Harmonies

Analogous

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



49.6231, 58.4051, 96.2843



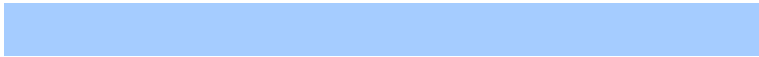
55.1599, 58.4051, 102.9738



61.1949, 58.4051, 97.6240

Triad

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



55.1599, 58.4051, 102.9738



66.3845, 58.4051, 49.1088



46.2089, 58.4051, 47.6490

Complementary

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



55.1599, 58.4051, 102.9738



72.5877, 73.0885, 45.8808

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.



50.1929, 58.4051, 38.5625



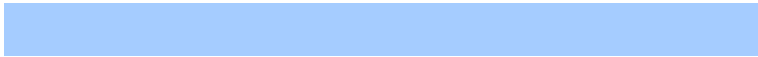
55.1599, 58.4051, 102.9738



61.8499, 58.4051, 39.2916

Square

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



55.1599, 58.4051, 102.9738



67.9501, 58.4051, 64.6100



55.8662, 58.4051, 35.8021



44.6932, 58.4051, 62.5872

Rectangle

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



55.1599, 58.4051, 102.9738



64.6377, 58.4051, 88.4106



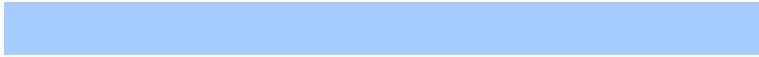
55.8662, 58.4051, 35.8021



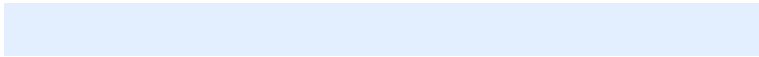
47.2889, 58.4051, 43.9177

Sweetspot

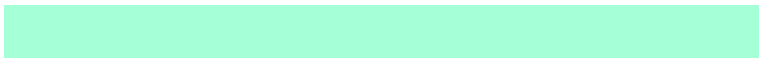
The Sweet Spot groups the original color and five complimentary colors.



55.1616, 58.4073, 102.9741



80.6102, 85.3376, 106.8309



63.4796, 84.4005, 76.9000



16.9007, 17.9023, 22.8147



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.



55.1616, 58.4073, 102.9741



49.6060, 52.2292, 102.0745



47.9763, 42.6225, 100.3061



17.6505, 18.6725, 22.9238



12.5155, 9.9406, 50.6937



1.3248, 1.1802, 4.9713

Inverse Universe

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



65.5954, 52.5314, 63.8115



61.5869, 46.3175, 56.9170



82.1557, 94.6533, 49.5390



18.3362, 18.1178, 20.3877



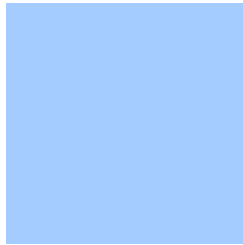
23.1054, 11.7315, 9.2057



2.3033, 1.1637, 1.1785

Previews

White Background



This preview shows how the XYZ color 55.1599, 58.4051, 102.9738 looks on a white background.

Color Contrast Check

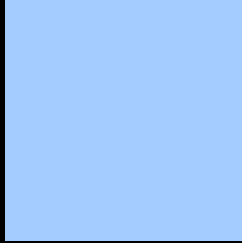
Large Text (above 18pt) WCAG AA × Fail

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 55.1599, 58.4051, 102.9738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

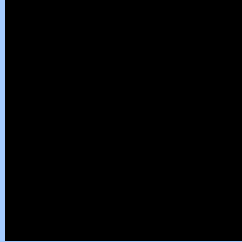
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

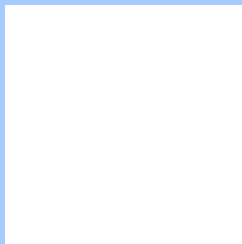
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.1599, 58.4051, 102.9738

Background



This preview shows how black text looks on a background with the XYZ color 55.1599, 58.4051, 102.9738.



This preview shows how white text looks on a background with the XYZ color 55.1599, 58.4051,

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

55.1599, 58.4051, 102.9738

Protanopia

58.3457, 58.0446, 99.3954

Deuteranopia

59.5021, 58.2289, 102.7109



Tritanopia

50.6285, 58.3610, 80.5479

Trichromacy



Original Color

55.1599, 58.4051, 102.9738

Protanomaly

57.0474, 58.0401, 100.2916

Deuteranomaly

57.9957, 58.4736, 102.8376

Tritanomaly

52.2968, 58.3171, 88.6208

Monochromacy



Original Color

55.1599, 58.4051, 102.9738

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

53.6902, 56.8621, 75.1635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1599, 58.4051, 102.9738 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(165, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 204, 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(165, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.1599, 58.4051, 102.9738 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(165, 204, 255) }
```


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

```
.border{ border-color:rgb(165, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1599, 58.4051, 102.9738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 204, 255) }
```

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

```
.background{ background-color: rgb(165,  
204, 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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