

Converting Colors

XYZ(55.1755, 55.2790,
119.8850)

Have a look what the booklet for
XYZ(55.1755, 55.2790, 119.8850)
contains.

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Color

**XYZ(51.8905, 53.9690,
102.2899)**

Conversions

Conversions Part 1

Format	Color
Hex	9EC4FF
RGB	158, 196, 255
RGB Percent	62%, 77%, 100%
CMY	0.3804, 0.2314, 0.0000
CMYK	0.38, 0.23, 0.00, 0.00
HSL	216°, 100%, 81%
HSV	216°, 38%, 100%
XYZ	51.8905, 53.9690, 102.2899
YIQ	191.3640, -41.5870, 10.2930

Conversions

Conversions Part 2

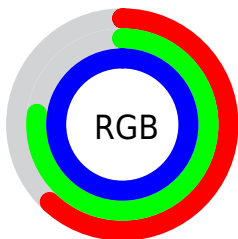
Format	Color
R _Y B	158, 185, 255
Decimal	10405119
CIE Lab	78.44, 1.57, -33.04
CIE LCh	78, 33.082, 272.715
Yxy	53.9690, 0.2493, 0.2593
Android (android.graphics.Color)	4288595199 (0xFF9EC4FF)
YUV	191.3640, 31.3725, -29.2602
Hunter-Lab	73.4636, -2.4791, -31.1302

Details

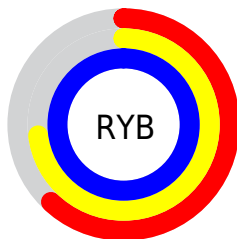
The XYZ color **51.8905, 53.9690, 102.2899** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.2250, 73.3548, 42.7019**, and the grayscale version is **49.5748, 52.1565, 56.7984**.

A 20% lighter version of the original color is **80.8847, 91.2879, 107.9650**, and **25.4596, 26.3068, 57.1619** is the 20% darker color. If you saturate the color by 10%, you get **44.0658, 45.0084, 100.9727**, and if you desaturate by 10%, it is **61.1207, 64.1934, 103.7769**.

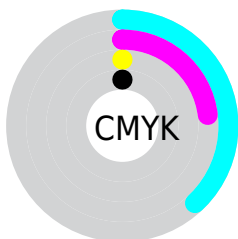
Distribution



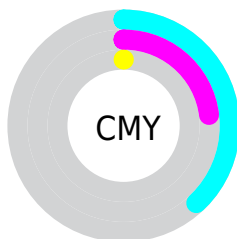
- Red (62%)
- Green (77%)
- Blue (100%)



- Red (62%)
- Yellow (73%)
- Blue (100%)



- Cyan (38%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8905, 53.9690, 102.2899 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 51.8905, 53.9690, 102.2899 by changing the saturation by 10% instead.

■ 51.8905, 53.9690,
102.2899

■ 51.8905, 53.9690,
102.2899

384.3446,
401.9918, 588.8189

■ 37.1417, 38.5769,
77.5868

■ 92.1449, 96.0287,
166.3797

■ 25.4914, 26.4307,
57.2202

■ 118.3813,
123.4651, 206.6035

■ 16.5742, 17.1461,
40.7715

149.1775,
155.6851, 252.8380

■ 10.0248, 10.3387,
27.8222

184.8990,
193.0729, 305.5016

■ 5.4778, 5.6241,
17.9538

225.9111,
236.0132, 365.0130

■ 2.5679, 2.6179,
10.7477

272.5792,

■ 0.9296, 0.9357,

284.8901, 431.7906

5.7854

325.2686,
340.0882, 506.2531

■ 0.0000, 0.0000,
2.6484

■ 0.0000, 0.0000,
0.9173

■ 51.8905, 53.9690,
102.2899

■ 51.8905, 53.9690,
102.2899

■ 44.0658, 45.0084,
100.9727

■ 61.1207, 64.1934,
103.7769

■ 37.5661, 37.2504,
99.8178

■ 71.8212, 75.7270,
105.4391

■ 32.3092, 30.6367,
98.8183

■ 84.0587, 88.6203,
107.2828

■ 28.2012, 25.1009,
97.9663

95.0500, 100.0000,
108.9000

■ 25.1322, 20.5676,
97.2531

■ 22.9572, 16.9415,
96.6678

■ 22.5975, 16.3151,
96.5658

Harmonies

Analogous

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



45.7739, 53.9690, 96.6870



51.8905, 53.9690, 102.2899



58.3560, 53.9690, 94.3420

Triad

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



51.8905, 53.9690, 102.2899



62.5538, 53.9690, 41.4539



40.9650, 53.9690, 43.8260

Complementary

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



51.8905, 53.9690, 102.2899



72.2250, 73.3548, 42.7019

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.



44.8296, 53.9690, 33.4863



51.8905, 53.9690, 102.2899



57.2451, 53.9690, 32.3338

Square

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



51.8905, 53.9690, 102.2899



64.8292, 53.9690, 57.0830



50.7059, 53.9690, 29.7566



39.7907, 53.9690, 60.4757

Rectangle

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



51.8905, 53.9690, 102.2899



61.9031, 53.9690, 83.2395



50.7059, 53.9690, 29.7566



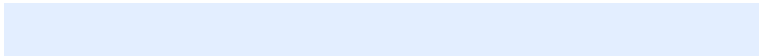
41.9754, 53.9690, 39.6272

Sweetspot

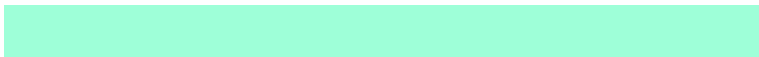
The Sweet Spot groups the original color and five complimentary colors.



51.8921, 53.9710, 102.2902



80.2695, 84.6563, 106.7174



62.2822, 83.7578, 77.9868



16.8197, 17.7403, 22.7877



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.



51.8921, 53.9710, 102.2902



45.5503, 46.7350, 101.2277



46.3630, 39.9675, 99.8786



17.5867, 18.5450, 22.9026



11.9425, 8.7945, 50.5027



1.2654, 1.0615, 4.9515

Inverse Universe

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



63.4318, 49.7008, 58.4767



58.9010, 42.7972, 50.3136



79.6930, 93.4553, 46.1881



18.3040, 18.1049, 20.2181



22.8162, 11.6158, 7.6826



2.2733, 1.1517, 1.0208

Previews

White Background



This preview shows how the XYZ color 51.8905, 53.9690, 102.2899 looks on a white background.

Color Contrast Check

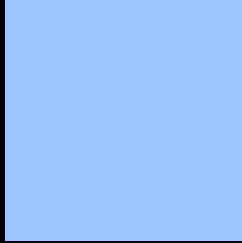
Large Text (above 18pt) WCAG AA × Fail

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 51.8905, 53.9690, 102.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

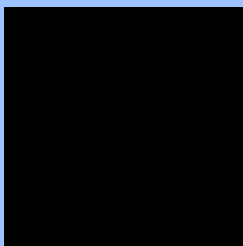
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

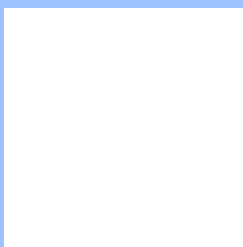
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8905, 53.9690, 102.2899

Background



This preview shows how black text looks on a background with the XYZ color 51.8905, 53.9690, 102.2899.



This preview shows how white text looks on a background with the XYZ color 51.8905, 53.9690,

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

51.8905, 53.9690, 102.2899

Protanopia

54.5616, 53.7549, 99.5955

Deuteranopia

55.0409, 53.9466, 102.1195



Tritanopia

46.5365, 54.2159, 75.0298

Trichromacy



Original Color

51.8905, 53.9690, 102.2899

Protanomaly

53.5942, 53.8897, 100.5055

Deuteranomaly

53.9146, 54.0179, 102.1926

Tritanomaly

48.1687, 53.8101, 84.1916

Monochromacy



Original Color

51.8905, 53.9690, 102.2899

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.7980, 52.5787, 71.1424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8905, 53.9690, 102.2899 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(158, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 196, 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(158, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8905, 53.9690, 102.2899 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(158, 196, 255) }
```


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

```
.border{ border-color:rgb(158, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8905, 53.9690, 102.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 196, 255) }
```

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

```
.background{ background-color: rgb(158,  
196, 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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