

Converting Colors

XYZ(60.1109, 58.4168,
145.0578)

Have a look what the booklet for
XYZ(60.1109, 58.4168, 145.0578)
contains.

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Color

**XYZ(51.9910, 55.0354,
102.4904)**

Conversions

Conversions Part 1

Format	Color
Hex	9BC7FF
RGB	155, 199, 255
RGB Percent	61%, 78%, 100%
CMY	0.3921, 0.2196, 0.0000
CMYK	0.39, 0.22, 0.00, 0.00
HSL	214°, 100%, 80%
HSV	214°, 39%, 100%
XYZ	51.9910, 55.0354, 102.4904
YIQ	192.2280, -44.2000, 8.0880

Conversions

Conversions Part 2

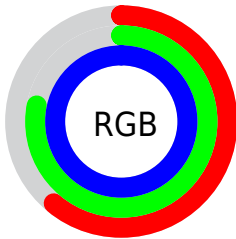
Format	Color
R_{YB}	155, 186, 255
Decimal	10209279
CIE _{Lab}	79.06, -0.83, -32.11
CIE _{LCh}	79, 32.118, 268.513
Yxy	55.0354, 0.2481, 0.2627
Android (android.graphics.Color)	4288399359 (0xFF9BC7FF)
YUV	192.2280, 30.9466, -32.6490
Hunter-Lab	74.1858, -4.7287, -29.9812

Details

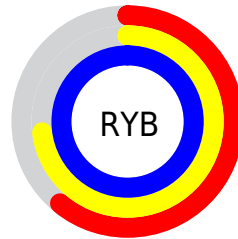
The XYZ color **51.9910, 55.0354, 102.4904** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.4513, 70.2158, 40.8521**, and the grayscale version is **50.0809, 52.6890, 57.3783**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **25.4640, 26.9807, 57.2918** is the 20% darker color. If you saturate the color by 10%, you get **44.4713, 46.5091, 101.2410**, and if you desaturate by 10%, it is **60.8556, 64.7150, 103.8916**.

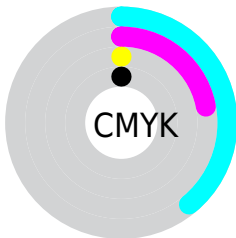
Distribution



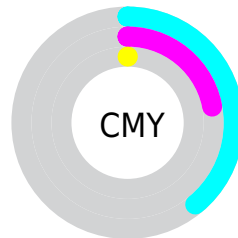
- Red (61%)
- Green (78%)
- Blue (100%)



- Red (61%)
- Yellow (73%)
- Blue (100%)



- Cyan (39%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9910, 55.0354, 102.4904 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 51.9910, 55.0354, 102.4904 by changing the saturation by 10% instead.

■ 51.9910, 55.0354,
102.4904

■ 51.9910, 55.0354,
102.4904

384.7264,
406.0461, 589.4627

■ 37.2221, 39.4301,
77.7536

■ 92.2923, 97.5928,
166.6570

■ 25.5540, 27.0945,
57.3563

■ 118.5554,
125.3137, 206.9239

■ 16.6212, 17.6442,
40.8801

149.3807,
157.8419, 253.2045

■ 10.0584, 10.6948,
27.9064

185.1334,
195.5617, 305.9174

■ 5.5003, 5.8620,
18.0167

226.1790,
238.8577, 365.4811

■ 2.5814, 2.7614,
10.7924

272.8828,

■ 0.9365, 1.0085,

288.1142, 432.3142

5.8150

325.6101,
343.7155, 506.8352

■ 0.0000, 0.0000,
2.6660

■ 0.0000, 0.0000,
0.9262

■ 51.9910, 55.0354,
102.4904

■ 51.9910, 55.0354,
102.4904

■ 44.4713, 46.5091,
101.2410

■ 60.8556, 64.7150,
103.8916

■ 38.2175, 39.0795,
100.1366

■ 71.1282, 75.5891,
105.4490

■ 33.1494, 32.6931,
99.1710

■ 82.8734, 87.7037,
107.1683

■ 29.1742, 27.2886,
98.3373

■ 95.0500, 100.0000,
108.9000

■ 26.1831, 22.7953,
97.6277

■ 24.0165, 19.1158,
97.0316

■ 23.8665, 18.8530,
96.9888

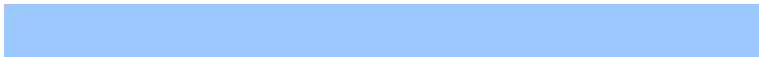
Harmonies

Analogous

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



46.1442, 55.0354, 95.2658



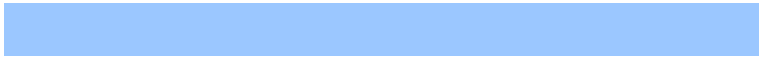
51.9910, 55.0354, 102.4904



58.4039, 55.0354, 96.5162

Triad

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



51.9910, 55.0354, 102.4904



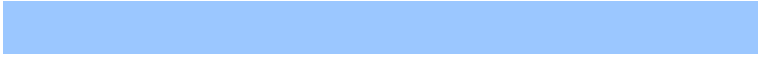
63.8799, 55.0354, 44.6314



42.5054, 55.0354, 43.3432

Complementary

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



51.9910, 55.0354, 102.4904



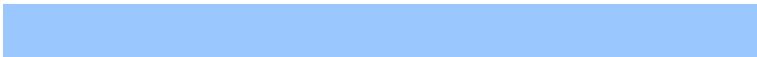
70.4513, 70.2158, 40.8521

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.



46.6545, 55.0354, 33.9929



51.9910, 55.0354, 102.4904



59.0009, 55.0354, 34.6231

Square

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



51.9910, 55.0354, 102.4904



65.5949, 55.0354, 60.8429



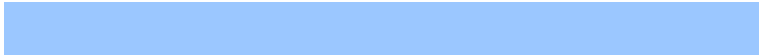
52.6293, 55.0354, 31.1557



40.9512, 55.0354, 59.0148

Rectangle

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



51.9910, 55.0354, 102.4904



62.0758, 55.0354, 86.4219



52.6293, 55.0354, 31.1557



43.6253, 55.0354, 39.4855

Sweetspot

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



51.9926, 55.0374, 102.4907



79.4496, 84.2013, 106.6728



60.9115, 83.1423, 73.8118



16.6706, 17.6784, 22.7836



0.0000, 0.0000, 0.0000



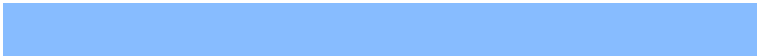
20.3446, 21.4041, 23.3091

Same Dimension

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



51.9926, 55.0374, 102.4907



46.0245, 48.3007, 101.5050



44.2702, 38.1382, 99.6359



17.6607, 18.6930, 22.9272



12.6136, 10.1368, 50.7264



1.3348, 1.2002, 4.9746

Inverse Universe

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



63.2713, 48.8279, 60.1249



58.9896, 42.2557, 52.5591



81.1012, 94.2107, 44.9223



18.3414, 18.1199, 20.4149



23.1550, 11.7513, 9.4665



2.3083, 1.1657, 1.2051

Previews

White Background



This preview shows how the XYZ color 51.9910, 55.0354, 102.4904 looks on a white background.

Color Contrast Check

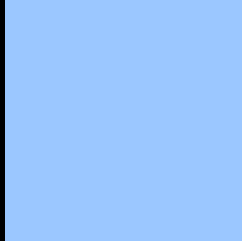
Large Text (above 18pt) WCAG AA × Fail

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 51.9910, 55.0354, 102.4904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

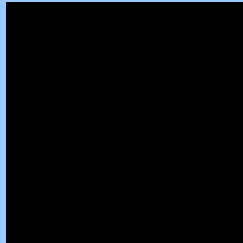
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

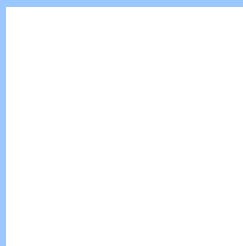
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9910, 55.0354, 102.4904

Background



This preview shows how black text looks on a background with the XYZ color 51.9910, 55.0354, 102.4904.



This preview shows how white text looks on a background with the XYZ color 51.9910, 55.0354,

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

51.9910, 55.0354, 102.4904

Protanopia

55.3049, 54.8083, 98.9310

Deuteranopia

55.9557, 54.7430, 102.2250



Tritanopia

46.7365, 54.9941, 76.5583

Trichromacy



Original Color

51.9910, 55.0354, 102.4904

Protanomaly

53.8804, 54.7164, 99.8170

Deuteranomaly

54.5784, 55.0209, 102.3512

Tritanomaly

48.4583, 54.9846, 85.1499

Monochromacy



Original Color

51.9910, 55.0354, 102.4904

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.3713, 53.5202, 71.9656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9910, 55.0354, 102.4904 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(155, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 199, 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(155, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.9910, 55.0354, 102.4904 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(155, 199, 255) }
```


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

```
.border{ border-color:rgb(155, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9910, 55.0354, 102.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 199, 255) }
```

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

```
.background{ background-color: rgb(155,  
199, 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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