

Converting Colors

XYZ(49.2002, 51.9161,
102.0354)

Have a look what the booklet for
XYZ(49.2002, 51.9161, 102.0354)
contains.

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Color

**XYZ(49.1958, 51.9146,
102.0354)**

Conversions

Conversions Part 1

Format	Color
Hex	92C2FF
RGB	146, 194, 255
RGB Percent	57%, 76%, 100%
CMY	0.4274, 0.2392, 0.0000
CMYK	0.43, 0.24, 0.00, 0.00
HSL	214°, 100%, 79%
HSV	214°, 43%, 100%
XYZ	49.1958, 51.9146, 102.0354
YIQ	186.6020, -48.1890, 8.7950

Conversions

Conversions Part 2

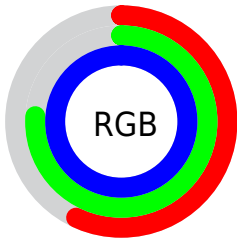
Format	Color
R_{YB}	146, 179, 255
Decimal	9618175
CIE _{Lab}	77.23, -0.40, -34.98
CIE _{LCh}	77, 34.978, 269.344
Yxy	51.9146, 0.2422, 0.2556
Android (android.graphics.Color)	4287808255 (0xFF92C2FF)
YUV	186.6020, 33.7202, -35.6080
Hunter-Lab	72.0518, -4.2137, -33.5267

Details

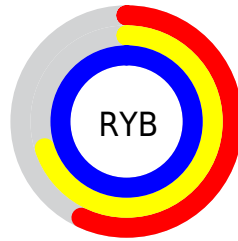
The XYZ color **49.1958, 51.9146, 102.0354** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.7417, 67.9615, 36.6907**, and the grayscale version is **46.8472, 49.2869, 53.6734**.

A 20% lighter version of the original color is **76.8642, 88.2877, 107.5978**, and **23.8377, 25.2508, 57.0436** is the 20% darker color. If you saturate the color by 10%, you get **42.1333, 43.7840, 100.8382**, and if you desaturate by 10%, it is **57.5773, 61.1801, 103.3820**.

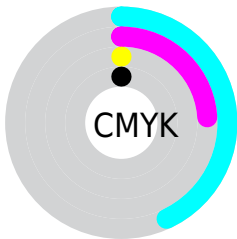
Distribution



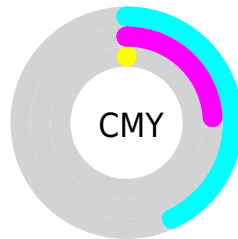
- Red (57%)
- Green (76%)
- Blue (100%)



- Red (57%)
- Yellow (70%)
- Blue (100%)



- Cyan (43%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1958, 51.9146, 102.0354 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 49.1958, 51.9146, 102.0354 by changing the saturation by 10% instead.

■ 49.1958, 51.9146,
102.0354

■ 49.1958, 51.9146,
102.0354

374.0168,
394.1068, 588.0011

■ 34.9900, 36.9370,
77.3751

■ 88.1812, 93.0053,
166.0277

■ 23.8217, 25.1587,
57.0474

■ 113.6914,
119.8872, 206.1968

■ 15.3254, 16.1953,
40.6337

143.7006,
151.5059, 252.3726

■ 9.1359, 9.6625,
27.7154

178.5740,
188.2460, 304.9737

■ 4.8877, 5.1758,
17.8741

218.6769,
230.4917, 364.4185

■ 2.2156, 2.3508,
10.6911

264.3748,

■ 0.7510, 0.8004,

278.6275, 431.1257

5.7480

316.0330,
333.0377, 505.5137

■ 0.0000, 0.0000,
2.6262

■ 0.0000, 0.0000,
0.9059

■ 49.1958, 51.9146,
102.0354

■ 49.1958, 51.9146,
102.0354

■ 42.1333, 43.7840,
100.8382

■ 57.5773, 61.1801,
103.3820

■ 36.3085, 36.7306,
99.7838

■ 67.3431, 71.6230,
104.8830

■ 31.6377, 30.6989,
98.8657

■ 78.5594, 83.2904,
106.5439

■ 28.0234, 25.6247,
98.0768

■ 91.2867, 96.2247,
108.3697

■ 25.3488, 21.4331,
97.4087

95.0500, 100.0000,
108.9000

■ 23.8769, 18.8738,
96.9923

Harmonies

Analogous

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



43.0608, 51.9146, 94.5825



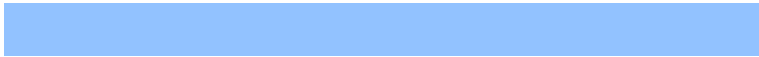
49.1958, 51.9146, 102.0354



55.9305, 51.9146, 95.1796

Triad

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



49.1958, 51.9146, 102.0354



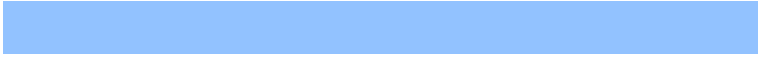
61.4485, 51.9146, 40.3029



39.0686, 51.9146, 39.7213

Complementary

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



49.1958, 51.9146, 102.0354



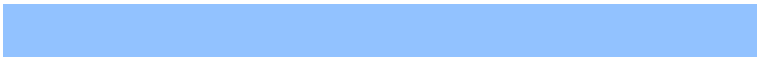
68.7417, 67.9615, 36.6907

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.



43.2947, 51.9146, 30.0756



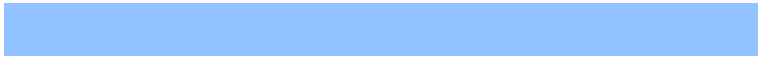
49.1958, 51.9146, 102.0354



56.2089, 51.9146, 30.3540

Square

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



49.1958, 51.9146, 102.0354



63.3810, 51.9146, 56.9500



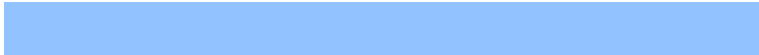
49.4910, 51.9146, 27.0742



37.5483, 51.9146, 56.1045

Rectangle

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



49.1958, 51.9146, 102.0354



59.7776, 51.9146, 84.1373



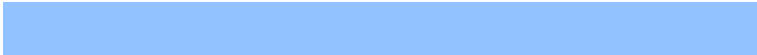
49.4910, 51.9146, 27.0742



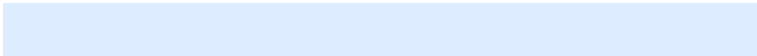
40.1998, 51.9146, 35.7319

Sweetspot

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



49.1974, 51.9165, 102.0356



78.2530, 82.9754, 106.4992



58.7496, 82.0853, 71.1095



16.1939, 17.1875, 22.7139



0.0000, 0.0000, 0.0000



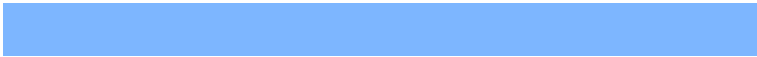
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1974, 51.9165, 102.0356



43.2734, 45.1227, 101.0365



41.1765, 34.4019, 99.0777



17.6613, 18.6941, 22.9274



12.6191, 10.1478, 50.7282



1.3353, 1.2013, 4.9748

Inverse Universe

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



61.2575, 45.7143, 56.6361



57.0336, 39.3011, 48.9556



80.2120, 93.8365, 41.0805



18.3417, 18.1200, 20.4164



23.1577, 11.7524, 9.4810



2.3086, 1.1658, 1.2066

Previews

White Background



This preview shows how the XYZ color 49.1958, 51.9146, 102.0354 looks on a white background.

Color Contrast Check

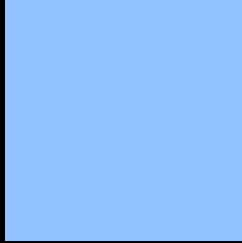
Large Text (above 18pt) WCAG AA × Fail

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 49.1958, 51.9146, 102.0354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

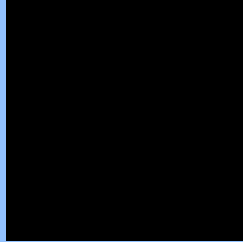
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

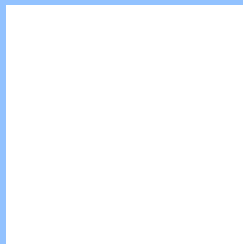
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1958, 51.9146, 102.0354

Background



This preview shows how black text looks on a background with the XYZ color 49.1958, 51.9146, 102.0354.



This preview shows how white text looks on a background with the XYZ color 49.1958, 51.9146,

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

49.1958, 51.9146, 102.0354

Protanopia

52.4721, 51.7528, 97.6662

Deuteranopia

52.8336, 51.5313, 101.7696



Tritanopia

43.5644, 52.0173, 73.3899

Trichromacy



Original Color

49.1958, 51.9146, 102.0354

Protanomaly

51.0884, 51.6417, 99.3707

Deuteranomaly

51.5677, 51.8334, 101.8947

Tritanomaly

45.4331, 51.7331, 83.1922

Monochromacy



Original Color

49.1958, 51.9146, 102.0354

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3104, 50.3510, 69.5126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1958, 51.9146, 102.0354 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(146, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 194, 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(146, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1958, 51.9146, 102.0354 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(146, 194, 255) }
```


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

```
.border{ border-color:rgb(146, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1958, 51.9146, 102.0354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 194, 255) }
```

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

```
.background{ background-color: rgb(146,  
194, 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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