

Converting Colors

XYZ(49.1746, 52.9093,
102.2285)

Have a look what the booklet for
XYZ(49.1746, 52.9093, 102.2285)
contains.

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Color

**XYZ(49.1716, 52.9033,
102.2275)**

Conversions

Conversions Part 1

Format	Color
Hex	8EC5FF
RGB	142, 197, 255
RGB Percent	56%, 77%, 100%
CMY	0.4431, 0.2274, 0.0000
CMYK	0.44, 0.23, 0.00, 0.00
HSL	211°, 100%, 78%
HSV	211°, 44%, 100%
XYZ	49.1716, 52.9033, 102.2275
YIQ	187.1670, -51.3980, 6.3780

Conversions

Conversions Part 2

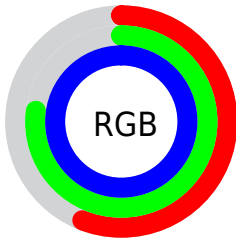
Format	Color
R_{YB}	142, 179, 255
Decimal	9356799
CIE Lab	77.82, -3.00, -34.08
CIE LCh	78, 34.216, 264.967
Yxy	52.9033, 0.2407, 0.2589
Android (android.graphics.Color)	4287546879 (0xFF8EC5FF)
YUV	187.1670, 33.4417, -39.6115
Hunter-Lab	72.7347, -6.6123, -32.4170

Details

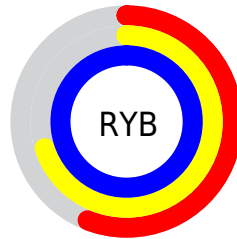
The XYZ color **49.1716, 52.9033, 102.2275** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.7776, 64.5226, 34.5277**, and the grayscale version is **47.1678, 49.6242, 54.0407**.

A 20% lighter version of the original color is **77.3112, 90.3830, 107.9787**, and **23.7618, 25.6534, 57.1253** is the 20% darker color. If you saturate the color by 10%, you get **42.4426, 45.2133, 101.0978**, and if you desaturate by 10%, it is **57.1625, 61.6290, 103.4906**.

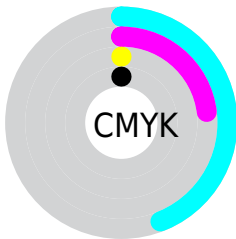
Distribution



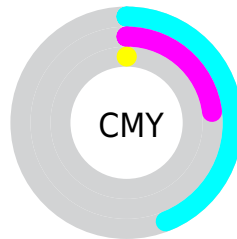
- Red (56%)
- Green (77%)
- Blue (100%)



- Red (56%)
- Yellow (70%)
- Blue (100%)



- Cyan (44%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1716, 52.9033, 102.2275 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 49.1716, 52.9033, 102.2275 by changing the saturation by 10% instead.

■ 49.1716, 52.9033,
102.2275

■ 49.1716, 52.9033,
102.2275

373.9232,
397.9140, 588.6184

■ 34.9707, 37.7256,
77.5349

■ 88.1455, 94.4621,
166.2934

■ 23.8067, 25.7698,
57.1778

■ 113.6491,
121.6119, 206.5038

■ 15.3143, 16.6515,
40.7377

143.6511,
153.5212, 252.7239

■ 9.1280, 9.9863,
27.7960

178.5168,
190.5744, 305.3722

■ 4.8825, 5.3899,
17.9343

218.6115,
233.1559, 364.8673

■ 2.2126, 2.4778,
10.7338

264.3006,

■ 0.7493, 0.8655,

281.6501, 431.6276

5.7762

315.9494,
336.4413, 506.0719

■ 0.0000, 0.0000,
2.6429

■ 0.0000, 0.0000,
0.9145

■ 49.1716, 52.9033,
102.2275

■ 49.1716, 52.9033,
102.2275

■ 42.4426, 45.2133,
101.0978

■ 57.1625, 61.6290,
103.4906

■ 36.8950, 38.5047,
100.0953

■ 66.4794, 71.4297,
104.8912

■ 32.4458, 32.7256,
99.2143

■ 77.1875, 82.3489,
106.4345

■ 28.9972, 27.8151,
98.4483

■ 89.3460, 94.4261,
108.1248

■ 26.4309, 23.7013,
97.7895

95.0500, 100.0000,
108.9000

■ 25.2723, 21.6645,
97.4574

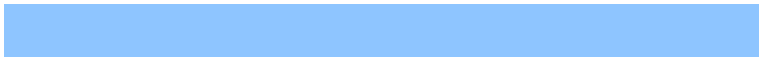
Harmonies

Analogous

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



43.3062, 52.9033, 93.0176



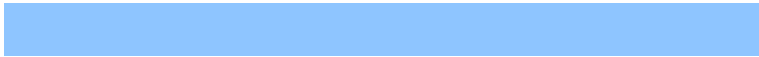
49.1716, 52.9033, 102.2275



55.8652, 52.9033, 97.5016

Triad

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



49.1716, 52.9033, 102.2275



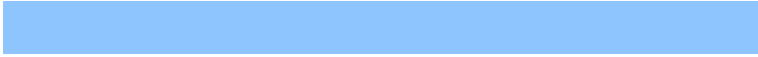
62.7641, 52.9033, 43.5099



40.5392, 52.9033, 39.0639

Complementary

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



49.1716, 52.9033, 102.2275



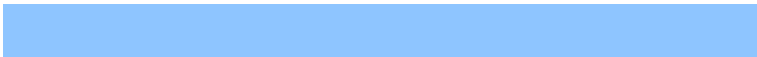
66.7776, 64.5226, 34.5277

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.



45.0856, 52.9033, 30.4131



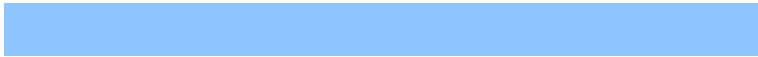
49.1716, 52.9033, 102.2275



57.9715, 52.9033, 32.5563

Square

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



49.1716, 52.9033, 102.2275



64.0992, 52.9033, 60.8693



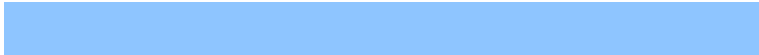
51.4110, 52.9033, 28.3234



38.6101, 52.9033, 54.4551

Rectangle

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



49.1716, 52.9033, 102.2275



59.8532, 52.9033, 87.5287



51.4110, 52.9033, 28.3234



41.7915, 52.9033, 35.4178

Sweetspot

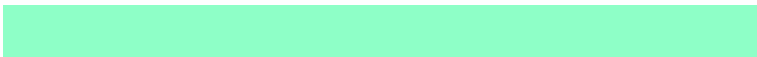
The Sweet Spot groups the original color and five complimentary colors.



49.1732, 52.9052, 102.2278



78.6985, 83.8663, 106.6477



57.1673, 81.3717, 66.4238



16.3036, 17.4068, 22.7505



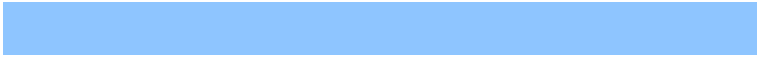
0.0000, 0.0000, 0.0000



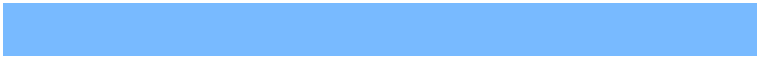
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1732, 52.9052, 102.2278



43.2564, 46.1652, 101.2387



38.8800, 32.3188, 98.7967



17.7328, 18.8373, 22.9513



13.3535, 11.6166, 50.9730



1.4091, 1.3488, 4.9994

Inverse Universe

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



60.9922, 44.6389, 58.2268



56.7623, 38.1864, 50.6284



81.8829, 94.7331, 39.5628



18.3778, 18.1344, 20.6066



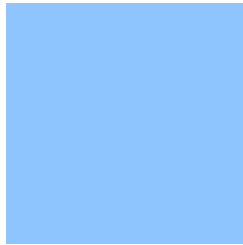
23.5284, 11.9007, 11.4332



2.3458, 1.1807, 1.4026

Previews

White Background



This preview shows how the XYZ color 49.1716, 52.9033, 102.2275 looks on a white background.

Color Contrast Check

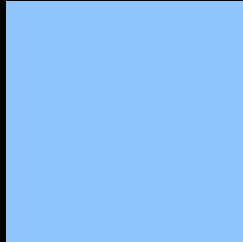
Large Text (above 18pt) WCAG AA × Fail

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 49.1716, 52.9033, 102.2275 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

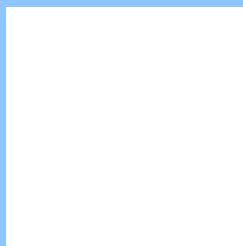
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1716, 52.9033, 102.2275

Background



This preview shows how black text looks on a background with the XYZ color 49.1716, 52.9033, 102.2275.



This preview shows how white text looks on a background with the XYZ color 49.1716, 52.9033,

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

49.1716, 52.9033, 102.2275

Protanopia

53.2010, 52.4649, 96.9453

Deuteranopia

53.9268, 52.7292, 101.9432



Tritanopia

43.7899, 52.7847, 75.5906

Trichromacy



Original Color

49.1716, 52.9033, 102.2275

Protanomaly

51.5721, 52.5568, 98.6931

Deuteranomaly

52.0039, 52.7058, 102.0401

Tritanomaly

45.7480, 52.8907, 84.8885

Monochromacy



Original Color

49.1716, 52.9033, 102.2275

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3091, 50.6730, 69.5748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1716, 52.9033, 102.2275 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(142, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 197, 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(142, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 197, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1716, 52.9033, 102.2275 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(142, 197, 255) }
```


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

```
.border{ border-color:rgb(142, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 197,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1716, 52.9033, 102.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 197, 255) }
```

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

```
.background{ background-color: rgb(142,  
197, 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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