

Converting Colors

XYZ(49.9742, 52.2627,
102.0615)

Have a look what the booklet for
XYZ(49.9742, 52.2627, 102.0615)
contains.

XYZ(49.9195, 52.2876, 102.0692)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.9195, 52.2876,
102.0692)**

Conversions

Conversions Part 1

Format	Color
Hex	96C2FF
RGB	150, 194, 255
RGB Percent	59%, 76%, 100%
CMY	0.4117, 0.2392, 0.0000
CMYK	0.41, 0.24, 0.00, 0.00
HSL	215°, 100%, 79%
HSV	215°, 41%, 100%
XYZ	49.9195, 52.2876, 102.0692
YIQ	187.7980, -45.8050, 9.6430

Conversions

Conversions Part 2

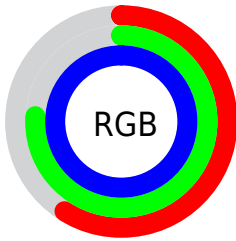
Format	Color
RYB	150, 181, 255
Decimal	9880319
CIELab	77.45, 0.60, -34.61
CIElCh	77, 34.618, 270.990
Yxy	52.2876, 0.2444, 0.2560
Android (android.graphics.Color)	4288070399 (0xFF96C2FF)
YUV	187.7980, 33.1306, -33.1488
Hunter-Lab	72.3102, -3.3149, -33.0735

Details

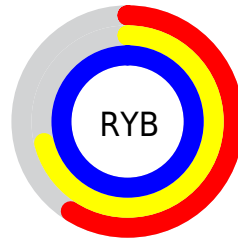
The XYZ color **49.9195, 52.2876, 102.0692** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.0401, 70.0515, 38.6860**, and the grayscale version is **47.5235, 49.9984, 54.4483**.

A 20% lighter version of the original color is **77.9677, 88.8566, 107.6494**, and **24.3340, 25.5067, 57.0668** is the 20% darker color. If you saturate the color by 10%, you get **42.5934, 43.8588, 100.8284**, and if you desaturate by 10%, it is **58.5984, 61.9039, 103.4679**.

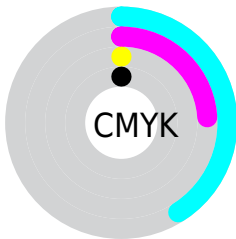
Distribution



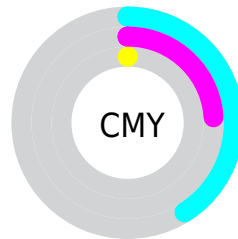
- Red (59%)
- Green (76%)
- Blue (100%)



- Red (59%)
- Yellow (71%)
- Blue (100%)



- Cyan (41%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9195, 52.2876, 102.0692 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 49.9195, 52.2876, 102.0692 by changing the saturation by 10% instead.

■ 49.9195, 52.2876,
102.0692

■ 49.9195, 52.2876,
102.0692

376.8082,
395.5459, 588.1098

■ 35.5670, 37.2344,
77.4032

■ 89.2481, 93.5553,
166.0745

■ 24.2685, 25.3890,
57.0704

■ 114.9549,
120.5385, 206.2508

■ 15.6587, 16.3671,
40.6520

145.1772,
152.2671, 252.4344

■ 9.3723, 9.7843,
27.7296

180.2804,
189.1256, 305.0438

■ 5.0439, 5.2562,
17.8847

220.6297,
231.4983, 364.4975

■ 2.3080, 2.3983,
10.6986

266.5905,

■ 0.7988, 0.8250,

279.7697, 431.2140

5.7530

318.5283,
334.3241, 505.6119

■ 0.0000, 0.0000,
2.6291

■ 0.0000, 0.0000,
0.9074

■ 49.9195, 52.2876,
102.0692

■ 49.9195, 52.2876,
102.0692

■ 42.5934, 43.8588,
100.8284

■ 58.5984, 61.9039,
103.4679

■ 36.5388, 36.5582,
99.7384

■ 68.6955, 72.7517,
105.0296

■ 31.6724, 30.3290,
98.7925

■ 80.2771, 84.8795,
106.7601

■ 27.8978, 25.1058,
97.9833

■ 93.4041, 98.3312,
108.6646

■ 25.1004, 20.8130,
97.3021

95.0500, 100.0000,
108.9000

■ 23.2929, 17.7058,
96.7976

Harmonies

Analogous

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



43.7392, 52.2876, 95.4319



49.9195, 52.2876, 102.0692



56.5914, 52.2876, 94.5401

Triad

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



49.9195, 52.2876, 102.0692



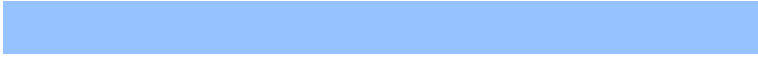
61.5111, 52.2876, 40.0510



39.3133, 52.2876, 40.9259

Complementary

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



49.9195, 52.2876, 102.0692



70.0401, 70.0515, 38.6860

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.



43.3881, 52.2876, 30.9126



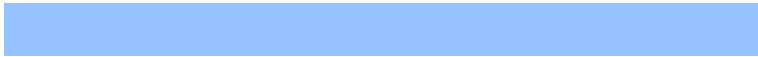
49.9195, 52.2876, 102.0692



56.1743, 52.2876, 30.4926

Square

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



49.9195, 52.2876, 102.0692



63.6415, 52.2876, 56.3007



49.4767, 52.2876, 27.5592



37.9558, 52.2876, 57.5687

Rectangle

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



49.9195, 52.2876, 102.0692



60.3338, 52.2876, 83.2956



49.4767, 52.2876, 27.5592



40.3915, 52.2876, 36.8167

Sweetspot

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



49.9211, 52.2895, 102.0695



79.2634, 83.8288, 106.6107



59.9095, 82.6329, 73.4402



16.6268, 17.5909, 22.7690



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.



49.9211, 52.2895, 102.0695



44.0757, 45.5940, 101.0852



42.8627, 36.2028, 99.3365



17.6285, 18.6286, 22.9165



12.3107, 9.5310, 50.6254



1.3037, 1.1382, 4.9642

Inverse Universe

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



61.8851, 46.9695, 56.8451



57.7153, 40.6330, 49.2797



79.9769, 93.6787, 42.7228



18.3251, 18.1134, 20.3293



23.0021, 11.6901, 8.6613



2.2927, 1.1594, 1.1226

Previews

White Background



This preview shows how the XYZ color 49.9195, 52.2876, 102.0692 looks on a white background.

Color Contrast Check

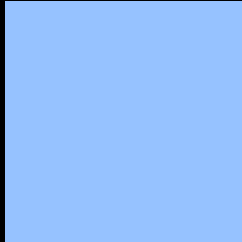
Large Text (above 18pt) WCAG AA × Fail

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 49.9195, 52.2876, 102.0692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

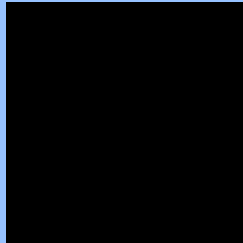
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

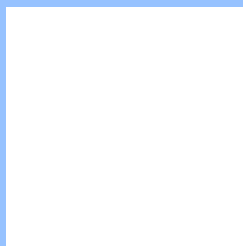
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9195, 52.2876, 102.0692

Background



This preview shows how black text looks on a background with the XYZ color 49.9195, 52.2876, 102.0692.



This preview shows how white text looks on a background with the XYZ color 49.9195, 52.2876,

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

49.9195, 52.2876, 102.0692

Protanopia

52.8514, 51.9301, 98.5047

Deuteranopia

53.2668, 52.0707, 101.8509



Tritanopia

44.2262, 52.3585, 73.4209

Trichromacy



Original Color

49.9195, 52.2876, 102.0692

Protanomaly

51.5012, 51.8545, 99.3900

Deuteranomaly

51.9805, 52.0462, 101.9140

Tritanomaly

46.1195, 52.0870, 83.2243

Monochromacy



Original Color

49.9195, 52.2876, 102.0692

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.7527, 50.5790, 69.5333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9195, 52.2876, 102.0692 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(150, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.9195, 52.2876, 102.0692 is called "border". The border property can be set on classes, ids or directly on the HTML element.

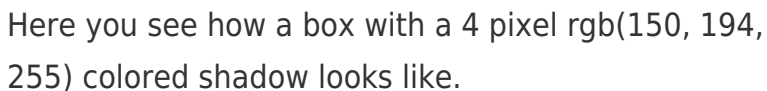
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 194, 255) }
```


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

```
.border{ border-color:rgb(150, 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(150, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 194, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 194, 255); box-shadow:4px 4px 4px 4px rgb(150, 194, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9195, 52.2876, 102.0692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 194, 255) }
```

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

```
.background{ background-color: rgb(150,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor