

Converting Colors

XYZ(59.2016, 50.4323,
120.3841)

Have a look what the booklet for
XYZ(59.2016, 50.4323, 120.3841)
contains.

XYZ(55.6917, 49.0942, 101.1486)	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(55.6917, 49.0942,
101.1486)**

Conversions

Conversions Part 1

Format	Color
Hex	C3AEFF
RGB	195, 174, 255
RGB Percent	76%, 68%, 100%
CMY	0.2353, 0.3176, 0.0000
CMYK	0.24, 0.32, 0.00, 0.00
HSL	256°, 100%, 84%
HSV	256°, 32%, 100%
XYZ	55.6917, 49.0942, 101.1486
YIQ	189.5130, -13.4850, 29.6430

Conversions

Conversions Part 2

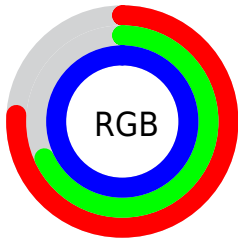
Format	Color
RYB	195, 174, 255
Decimal	12824319
CIELab	75.51, 23.96, -37.37
CIELCh	76, 44.391, 302.661
Yxy	49.0942, 0.2704, 0.2384
Android (android.graphics.Color)	4291014399 (0xFFC3AEFF)
YUV	189.5130, 32.2851, 4.8121
Hunter-Lab	70.0673, 19.2598, -36.5436

Details

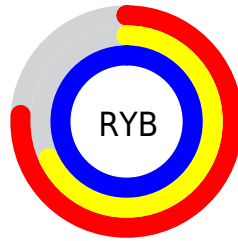
The XYZ color **55.6917, 49.0942, 101.1486** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.3324, 92.0688, 53.7416**, and the grayscale version is **48.4911, 51.0165, 55.5569**.

A 20% lighter version of the original color is **86.8548, 84.6963, 106.3780**, and **27.8456, 23.3274, 56.4611** is the 20% darker color. If you saturate the color by 10%, you get **46.6494, 37.8016, 99.4455**, and if you desaturate by 10%, it is **66.2895, 62.5790, 103.1929**.

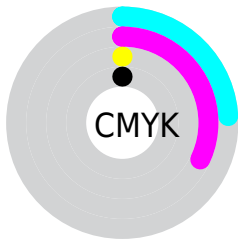
Distribution



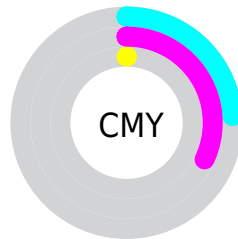
- Red (76%)
- Green (68%)
- Blue (100%)



- Red (76%)
- Yellow (68%)
- Blue (100%)



- Cyan (24%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6917, 49.0942, 101.1486 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 55.6917, 49.0942, 101.1486 by changing the saturation by 10% instead.

■ 55.6917, 49.0942,
101.1486

■ 55.6917, 49.0942,
101.1486

398.6225,
383.1130, 585.1470

■ 40.1918, 34.6942,
76.6379

■ 97.6961, 88.8313,
164.8003

■ 27.8730, 23.4274,
56.4460

124.9313,
114.9373, 204.7785

■ 18.3699, 14.9094,
40.1542

156.8090,
145.7140, 250.7495

■ 11.3172, 8.7558,
27.3441

193.6946,
181.5459, 303.1320

■ 6.3495, 4.5823,
17.5971

235.9534,
222.8174, 362.3444

■ 3.1014, 2.0043,
10.4947

283.9507,

■ 1.2076, 0.6100,

269.9128, 428.8054

5.6183

338.0520,
323.2165, 502.9334

■ 0.1124, 0.0000,
2.5494

■ 0.0000, 0.0000,
0.8662

■ 55.6917, 49.0942,
101.1486

■ 55.6917, 49.0942,
101.1486

■ 46.6494, 37.8016,
99.4455

■ 66.2895, 62.5790,
103.1929

■ 39.0820, 28.5776,
98.0639

■ 78.5090, 78.3593,
105.5947

■ 32.9083, 21.2948,
96.9836

■ 92.4177, 96.5386,
108.3706

■ 28.0369, 15.8089,
96.1815

■ 95.0500, 100.0000,
108.9000

■ 24.3643, 11.9549,
95.6311

■ 21.7692, 9.5355,
95.3009

■ 20.3042, 8.3821,
95.1555

Harmonies

Analogous

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



47.3979, 49.0942, 112.3807



55.6917, 49.0942, 101.1486



62.1032, 49.0942, 76.9694

Triad

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



55.6917, 49.0942, 101.1486



54.2783, 49.0942, 22.5577



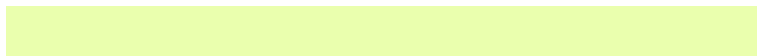
32.6279, 49.0942, 55.5776

Complementary

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



55.6917, 49.0942, 101.1486



77.3324, 92.0688, 53.7416

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.



34.0201, 49.0942, 35.2960



55.6917, 49.0942, 101.1486



45.9349, 49.0942, 19.8646

Square

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



55.6917, 49.0942, 101.1486



61.2223, 49.0942, 32.6155



38.6662, 49.0942, 23.7569



34.6161, 49.0942, 81.6896

Rectangle

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



55.6917, 49.0942, 101.1486



64.0971, 49.0942, 59.4283



38.6662, 49.0942, 23.7569



32.7163, 49.0942, 47.8964

Sweetspot

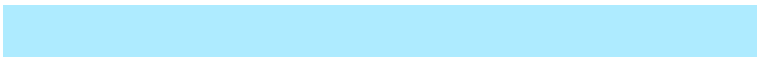
The Sweet Spot groups the original color and five complimentary colors.



55.6932, 49.0961, 101.1489



80.8368, 81.3876, 106.0566



65.1435, 75.4933, 105.7460



16.9043, 16.9023, 22.6215



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.



55.6932, 49.0961, 101.1489



49.8753, 41.8024, 100.0477



67.3656, 55.1134, 101.6951



17.4445, 17.6053, 22.7287



10.7264, 4.4402, 49.7263



1.1411, 0.4822, 4.8462

Inverse Universe

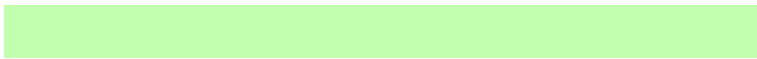
The Inverse Universe completely reimagines the original color for something new.



71.2282, 57.4742, 85.1822



67.7497, 51.4542, 81.1338



65.7135, 86.0790, 53.1978



18.5797, 18.2152, 21.6699



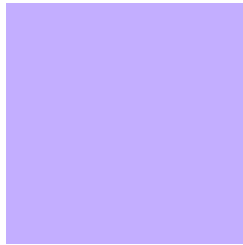
26.4063, 13.0518, 26.5877



2.6157, 1.2887, 2.8238

Previews

White Background



This preview shows how the XYZ color 55.6917, 49.0942, 101.1486 looks on a white background.

Color Contrast Check

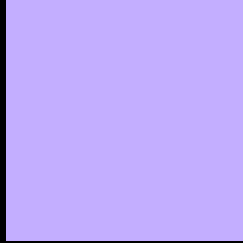
Large Text (above 18pt) WCAG AA × Fail

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 55.6917, 49.0942, 101.1486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

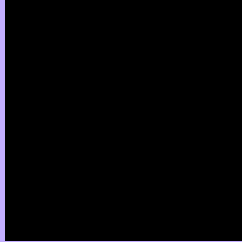
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.6917, 49.0942, 101.1486

Background



This preview shows how black text looks on a background with the XYZ color 55.6917, 49.0942, 101.1486.

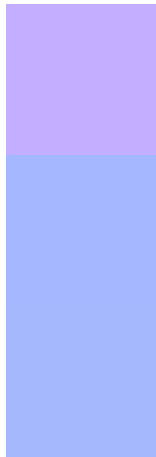


This preview shows how white text looks on a background with the XYZ color 55.6917, 49.0942,

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

55.6917, 49.0942, 101.1486

Protanopia

50.7075, 49.5003, 101.4897

Deuteranopia

50.5960, 49.4798, 99.8124



Tritanopia

47.7819, 49.1823, 61.6183

Trichromacy



Original Color

55.6917, 49.0942, 101.1486

Protanomaly

52.2758, 49.0926, 101.3283

Deuteranomaly

52.3421, 49.1454, 100.4932

Tritanomaly

50.4284, 49.0339, 74.5168

Monochromacy



Original Color

55.6917, 49.0942, 101.1486

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.0163, 50.3425, 70.6466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6917, 49.0942, 101.1486 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(195, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 174, 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(195, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.6917, 49.0942, 101.1486 is called "border". The border property can be set on classes, ids or directly on the HTML element.

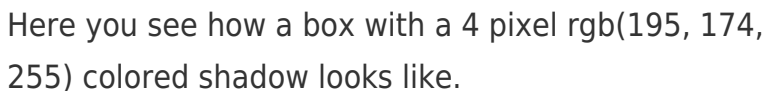
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 174, 255) }
```


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

```
.border{ border-color:rgb(195, 174, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6917, 49.0942, 101.1486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 174, 255) }
```

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

```
.background{ background-color: rgb(195,  
174, 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