

Converting Colors

XYZ(51.9566, 47.3239, 97.2218)

Have a look what the booklet for
XYZ(51.9566, 47.3239, 97.2218)
contains.

| | |
|--|----|
| XYZ(51.9198, 47.2415, 96.8245) | 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(51.9198, 47.2415,
96.8245)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B7AEFA |
| RGB | 183, 174, 250 |
| RGB Percent | 72%, 68%, 98% |
| CMY | 0.2823, 0.3176, 0.0196 |
| CMYK | 0.27, 0.30, 0.00, 0.02 |
| HSL | 247°, 88%, 83% |
| HSV | 247°, 30%, 98% |
| XYZ | 51.9198, 47.2415, 96.8245 |
| YIQ | 185.3550, -19.0320, 25.5440 |

Conversions

Conversions Part 2

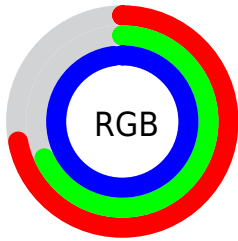
| Format | Color |
|-------------------------------------|--|
| RYB | 183, 174, 250 |
| Decimal | 12037882 |
| CIELab | 74.34, 19.31, -36.56 |
| CIELCh | 74, 41.349, 297.847 |
| Yxy | 47.2415, 0.2649, 0.2410 |
| Android (android.graphics.Color) | 4290227962 (0xFFB7AEFA) |
| YUV | 185.3550, 31.8700, -2.0653 |
| Hunter-Lab | 68.7325, 14.5553, -35.4101 |

Details

The XYZ color **51.9198, 47.2415, 96.8245** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **78.1024, 90.1290, 53.3265**, and the grayscale version is **46.1487, 48.5520, 52.8731**.

A 20% lighter version of the original color is **82.0045, 81.7839, 106.0715**, and **25.4873, 22.3585, 53.4244** is the 20% darker color. If you saturate the color by 10%, you get **42.6941, 35.9715, 95.1362**, and if you desaturate by 10%, it is **62.8684, 60.7360, 98.8530**.

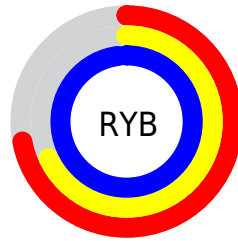
Distribution



Red (72%)

Green (68%)

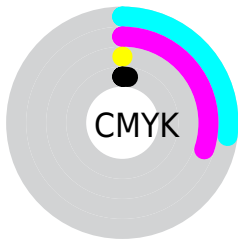
Blue (98%)



Red (72%)

Yellow (68%)

Blue (98%)

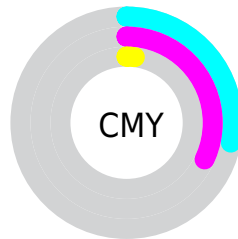


Cyan (27%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (28%)

Magenta (32%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9198, 47.2415, 96.8245 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 51.9198, 47.2415, 96.8245 by changing the saturation by 10% instead.

■ 51.9198, 47.2415,
96.8245

■ 51.9198, 47.2415,
96.8245

384.4560,
375.7777, 571.1224

■ 37.1652, 33.2266,
73.0492

■ 92.1879, 86.0740,
158.8000

■ 25.5097, 22.3001,
53.5241

118.4320,
111.6604, 197.8373

■ 16.5879, 14.0776,
37.8307

149.2367,
141.8727, 242.7990

■ 10.0346, 8.1746,
25.5505

184.9673,
177.0954, 294.1036

■ 5.4844, 4.2069,
16.2650

225.9892,
217.7129, 352.1698

■ 2.5718, 1.7900,
9.5555

272.6677,

■ 0.9316, 0.4809,

264.1095, 417.4159

5.0035

325.3682,
316.6696, 490.2606

■ 0.0000, 0.0000,
2.1905

■ 0.0000, 0.0000,
0.6689

■ 51.9198, 47.2415,
96.8245

■ 51.9198, 47.2415,
96.8245

■ 42.6941, 35.9715,
95.1362

■ 62.8684, 60.7360,
98.8530

■ 35.0983, 26.8008,
93.7664

■ 75.6167, 76.5598,
101.2354

■ 29.0382, 19.6004,
92.6960

■ 90.2428, 94.8181,
103.9887

■ 24.4077, 14.2248,
91.9025

■ 94.2555, 99.6822,
104.7161

■ 21.0868, 10.5079,
91.3601

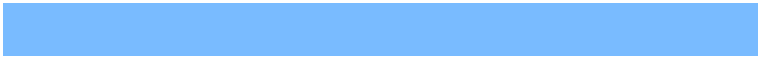
■ 18.9356, 8.2533,
91.0383

■ 17.7794, 7.1723,
90.8906

Harmonies

Analogous

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



44.3665, 47.2415, 104.1917



51.9198, 47.2415, 96.8245



58.1325, 47.2415, 76.4627

Triad

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



51.9198, 47.2415, 96.8245



52.9518, 47.2415, 23.9673



32.0714, 47.2415, 49.9144

Complementary

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



51.9198, 47.2415, 96.8245



78.1024, 90.1290, 53.3265

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.



33.8480, 47.2415, 32.5726



51.9198, 47.2415, 96.8245



45.4411, 47.2415, 20.4018

Square

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



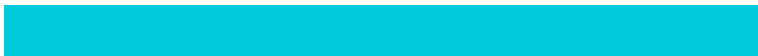
51.9198, 47.2415, 96.8245



58.7731, 47.2415, 34.5778



38.5462, 47.2415, 23.0543



33.4049, 47.2415, 73.0435

Rectangle

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



51.9198, 47.2415, 96.8245



60.3861, 47.2415, 60.5525



38.5462, 47.2415, 23.0543



32.3201, 47.2415, 43.2872

Sweetspot

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



51.9214, 47.2434, 96.8256



81.1050, 82.5840, 106.2734



66.2070, 78.8916, 102.1814



16.9098, 17.1160, 22.6624



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.



51.9214, 47.2434, 96.8256



48.6541, 42.4923, 100.2452



62.1710, 52.5272, 97.3053



16.4739, 16.7414, 21.7484



9.4913, 3.8356, 48.2137



0.9384, 0.3858, 4.4682

Inverse Universe

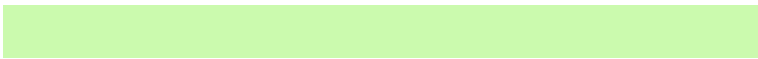
The Inverse Universe completely reimagines the original color for something new.



70.4388, 56.9486, 90.4999



70.7215, 54.0650, 92.3989



66.4919, 84.1435, 52.7831



17.8993, 17.4871, 21.3256



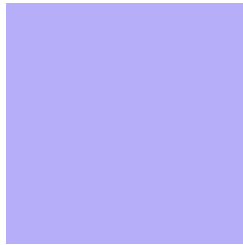
27.8274, 13.5467, 37.3951



2.6015, 1.2644, 3.5911

Previews

White Background



This preview shows how the XYZ color 51.9198, 47.2415, 96.8245 looks on a white background.

Color Contrast Check

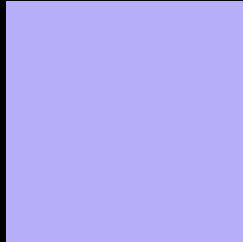
Large Text (above 18pt) WCAG AA × Fail

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 51.9198, 47.2415, 96.8245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

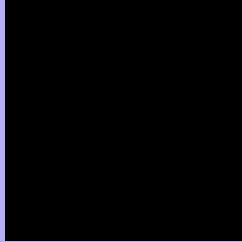
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9198, 47.2415, 96.8245

Background



This preview shows how black text looks on a background with the XYZ color 51.9198, 47.2415, 96.8245.



This preview shows how white text looks on a background with the XYZ color 51.9198, 47.2415,

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

51.9198, 47.2415, 96.8245

Protanopia

48.8685, 47.3361, 101.1689

Deuteranopia

48.5244, 47.2686, 96.1888



Tritanopia

44.6829, 47.2887, 60.8054

Trichromacy



Original Color

51.9198, 47.2415, 96.8245

Protanomaly

49.7985, 47.2575, 99.4254

Deuteranomaly

49.5968, 47.2264, 96.1241

Tritanomaly

47.1076, 47.0516, 72.9287

Monochromacy



Original Color

51.9198, 47.2415, 96.8245

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.7997, 47.8415, 67.0366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9198, 47.2415, 96.8245 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(183, 174, 250)` looks like.

```
.text, #text, p{  
    color:rgb(183, 174, 250)  
}
```

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(183, 174, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 174, 250) }
```

Border

The CSS property to change the border of an element to XYZ 51.9198, 47.2415, 96.8245 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(183, 174, 250) }
```


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

```
.border{ border-color:rgb(183, 174, 250) }
```

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

Here you see how a box with a 4 pixel rgb(183, 174, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 174, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 174, 250);  
box-shadow:4px 4px 4px 4px rgb(183, 174,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9198, 47.2415, 96.8245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 174, 250) }
```

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

```
.background{ background-color: rgb(183,  
174, 250) }
```

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