

Converting Colors

XYZ(48.8820, 46.7039, 83.5250)

Have a look what the booklet for
XYZ(48.8820, 46.7039, 83.5250)
contains.

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Color

**XYZ(49.0205, 46.9112,
83.5619)**

Conversions

Conversions Part 1

Format	Color
Hex	B3B1E9
RGB	179, 177, 233
RGB Percent	70%, 69%, 91%
CMY	0.2980, 0.3059, 0.0863
CMYK	0.23, 0.24, 0.00, 0.09
HSL	242°, 56%, 80%
HSV	242°, 24%, 91%
XYZ	49.0205, 46.9112, 83.5619
YIQ	183.9820, -16.7840, 17.8400

Conversions

Conversions Part 2

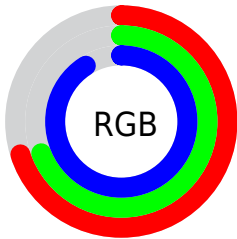
Format	Color
R_{YB}	179, 177, 233
Decimal	11776489
CIE _{Lab}	74.13, 12.47, -27.71
CIE _{LCh}	74, 30.385, 294.230
Yxy	46.9112, 0.2731, 0.2614
Android (android.graphics.Color)	4289966569 (0xFFB3B1E9)
YUV	183.9820, 24.1659, -4.3692
Hunter-Lab	68.4918, 7.8944, -24.3913

Details

The XYZ color **49.0205, 46.9112, 83.5619** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.0312, 78.4422, 53.0469**, and the grayscale version is **45.4287, 47.7946, 52.0483**.

A 20% lighter version of the original color is **81.4499, 83.1600, 106.3664**, and **23.7269, 22.2015, 44.6298** is the 20% darker color. If you saturate the color by 10%, you get **40.0288, 36.0181, 81.9340**, and if you desaturate by 10%, it is **59.6471, 59.8157, 85.4934**.

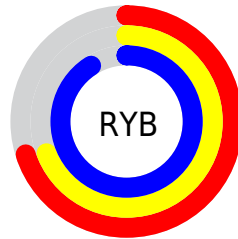
Distribution



Red (70%)

Green (69%)

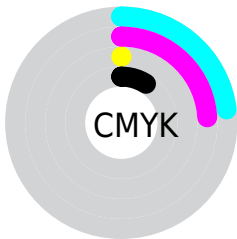
Blue (91%)



Red (70%)

Yellow (69%)

Blue (91%)

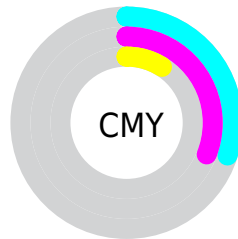


Cyan (23%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (30%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0205, 46.9112, 83.5619 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 49.0205, 46.9112, 83.5619 by changing the saturation by 10% instead.

■ 49.0205, 46.9112,
83.5619

■ 49.0205, 46.9112,
83.5619

373.3386,
374.4600, 526.8773

■ 34.8503, 32.9655,
62.1105

■ 87.9224, 85.5811,
140.2184

■ 23.7136, 22.1000,
44.6856

113.3849,
111.0740, 176.2606

■ 15.2449, 13.9304,
30.8687

143.3422,
141.1847, 218.0035

■ 9.0789, 8.0723,
20.2413

178.1597,
176.2977, 265.8657

■ 4.8502, 4.1412,
12.3847

218.2028,
216.7973, 320.2656

■ 2.1935, 1.7529,
6.8806

263.8367,

■ 0.7393, 0.4575,

263.0680, 381.6218

3.3102

315.4269,
315.4941, 450.3528

■ 0.0000, 0.0000,
1.2551

■ 0.0000, 0.0000,
0.0246

■ 49.0205, 46.9112,
83.5619

■ 49.0205, 46.9112,
83.5619

■ 40.0288, 36.0181,
81.9340

■ 59.6471, 59.8157,
85.4934

■ 32.5865, 27.0298,
80.5914

■ 71.9792, 74.8196,
87.7395

■ 26.6076, 19.8386,
79.5184

■ 86.0889, 92.0129,
90.3145

■ 21.9954, 14.3236,
78.6970

■ 91.7081, 98.6633,
91.3020

■ 18.6420, 10.3493,
78.1066

■ 16.4230, 7.7588,
77.7236

■ 15.1887, 6.3622,
77.5191

■ 14.8122, 5.9369,
77.4568

Harmonies

Analogous

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



43.5441, 46.9112, 87.0636



49.0205, 46.9112, 83.5619



53.6261, 46.9112, 70.6700

Triad

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



49.0205, 46.9112, 83.5619



50.9868, 46.9112, 30.4210



34.9678, 46.9112, 48.1249

Complementary

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



49.0205, 46.9112, 83.5619



70.0312, 78.4422, 53.0469

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.



36.6266, 46.9112, 35.4901



49.0205, 46.9112, 83.5619



45.6478, 46.9112, 26.6914

Square

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



49.0205, 46.9112, 83.5619



54.8245, 46.9112, 39.7423



40.4305, 46.9112, 28.3381



35.7118, 46.9112, 64.3878

Rectangle

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



49.0205, 46.9112, 83.5619



55.4325, 46.9112, 59.6616



40.4305, 46.9112, 28.3381



35.2584, 46.9112, 43.3604

Sweetspot

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



49.0220, 46.9131, 83.5630



83.5661, 86.0156, 106.8060



61.4541, 72.4580, 87.8384



17.6854, 18.1661, 22.8242



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.



49.0220, 46.9131, 83.5630



54.2769, 50.4401, 101.4830



56.1266, 50.5756, 83.8955



14.2809, 14.5746, 18.9827



8.4265, 3.3799, 43.9512



0.6793, 0.2745, 3.4521

Inverse Universe

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



63.7517, 54.5393, 82.7702



75.4020, 61.3793, 100.2687



61.7410, 74.1685, 52.6589



15.6902, 15.3039, 18.9201



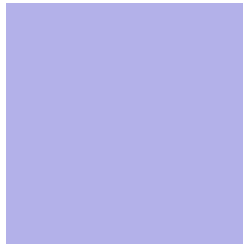
26.7653, 12.9088, 41.4267



2.1090, 1.0166, 3.2914

Previews

White Background



This preview shows how the XYZ color 49.0205, 46.9112, 83.5619 looks on a white background.

Color Contrast Check

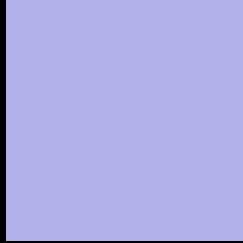
Large Text (above 18pt) WCAG AA × Fail

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 49.0205, 46.9112, 83.5619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

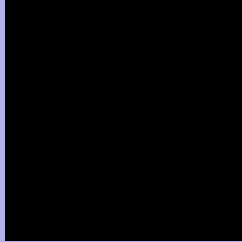
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0205, 46.9112, 83.5619

Background



This preview shows how black text looks on a background with the XYZ color 49.0205, 46.9112, 83.5619.



This preview shows how white text looks on a background with the XYZ color 49.0205, 46.9112,

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

49.0205, 46.9112, 83.5619

Protanopia

47.4651, 46.9655, 85.1608

Deuteranopia

48.0617, 47.0076, 83.6311



Tritanopia

44.1398, 46.7148, 60.1165

Trichromacy



Original Color

49.0205, 46.9112, 83.5619

Protanomaly

47.9846, 46.9514, 84.3754

Deuteranomaly

48.3076, 46.8379, 83.5853

Tritanomaly

45.9609, 46.8649, 68.2514

Monochromacy



Original Color

49.0205, 46.9112, 83.5619

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.4759, 47.2571, 62.5491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0205, 46.9112, 83.5619 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(179, 177, 233)` looks like.

```
.text, #text, p{  
    color:rgb(179, 177, 233)  
}
```

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(179, 177, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 177, 233) }
```

Border

The CSS property to change the border of an element to XYZ 49.0205, 46.9112, 83.5619 is called "border". The border property can be set on classes, ids or directly on the HTML element.

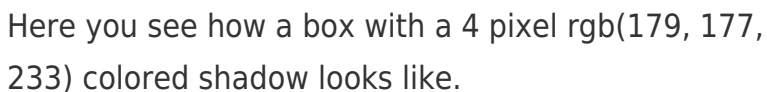
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 177, 233) }
```


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

```
.border{ border-color:rgb(179, 177, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 177, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 177, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 177, 233); box-shadow:4px 4px 4px 4px rgb(179, 177, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0205, 46.9112, 83.5619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 177, 233) }
```

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

```
.background{ background-color: rgb(179,  
177, 233) }
```

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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