

Converting Colors

XYZ(49.1179, 46.6055, 82.9455)

Have a look what the booklet for
XYZ(49.1179, 46.6055, 82.9455)
contains.

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Color

**XYZ(49.1469, 46.7006,
82.7677)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B0E8
RGB	181, 176, 232
RGB Percent	71%, 69%, 91%
CMY	0.2902, 0.3098, 0.0902
CMYK	0.22, 0.24, 0.00, 0.09
HSL	245°, 55%, 80%
HSV	245°, 24%, 91%
XYZ	49.1469, 46.7006, 82.7677
YIQ	183.8790, -14.9960, 18.4760

Conversions

Conversions Part 2

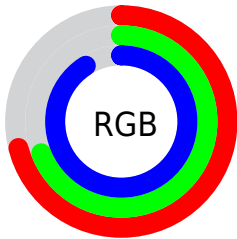
Format	Color
R _Y B	181, 176, 232
Decimal	11907304
CIE Lab	74.00, 13.40, -27.36
CIE LCh	74, 30.463, 296.089
Yxy	46.7006, 0.2752, 0.2615
Android (android.graphics.Color)	4290097384 (0xFFB5B0E8)
YUV	183.8790, 23.7237, -2.5249
Hunter-Lab	68.3378, 8.7816, -23.9729

Details

The XYZ color **49.1469, 46.7006, 82.7677** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.3729, 77.1797, 52.3698**, and the grayscale version is **45.3736, 47.7366, 51.9851**.

A 20% lighter version of the original color is **82.1665, 83.1104, 106.3190**, and **23.7965, 22.0619, 44.0785** is the 20% darker color. If you saturate the color by 10%, you get **40.3968, 36.0051, 81.1652**, and if you desaturate by 10%, it is **59.4288, 59.3419, 84.6666**.

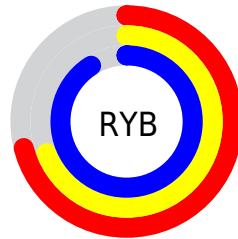
Distribution



Red (71%)

Green (69%)

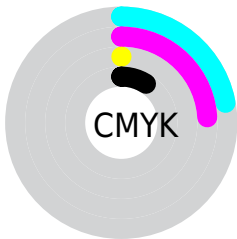
Blue (91%)



Red (71%)

Yellow (69%)

Blue (91%)

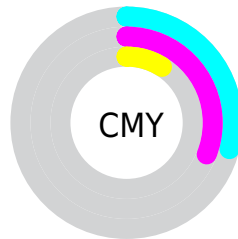


Cyan (22%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1469, 46.7006, 82.7677 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 49.1469, 46.7006, 82.7677 by changing the saturation by 10% instead.

■ 49.1469, 46.7006,
82.7677

■ 49.1469, 46.7006,
82.7677

373.8277,
373.6182, 524.1627

■ 34.9510, 32.7990,
61.4590

■ 88.1090, 85.2665,
139.0964

■ 23.7915, 21.9725,
44.1628

113.6060,
110.6997, 174.9535

■ 15.3029, 13.8367,
30.4604

143.6007,
140.7455, 216.4971

■ 9.1200, 8.0072,
19.9333

178.4584,
175.7884, 264.1459

■ 4.8772, 4.0995,
12.1629

218.5447,
216.2127, 318.3183

■ 2.2094, 1.7294,
6.7309

264.2248,

■ 0.7477, 0.4426,

262.4028, 379.4329

3.2185

315.8640,
314.7432, 447.9082

■ 0.0000, 0.0000,
1.2072

■ 0.0000, 0.0000,
0.0000

■ 49.1469, 46.7006,
82.7677

■ 49.1469, 46.7006,
82.7677

■ 40.3968, 36.0051,
81.1652

■ 59.4288, 59.3419,
84.6666

■ 33.1005, 27.1533,
79.8412

■ 71.3061, 74.0131,
86.8724

■ 27.1805, 20.0424,
78.7807

■ 84.8447, 90.8000,
89.3990

■ 22.5497, 14.5572,
77.9660

■ 91.5656, 98.6063,
90.5516

■ 19.1114, 10.5686,
77.3774

■ 16.7547, 7.9278,
76.9918

■ 15.3478, 6.4547,
76.7817

■ 14.8688, 5.9825,
76.7158

Harmonies

Analogous

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



43.6781, 46.7006, 86.9624



49.1469, 46.7006, 82.7677



53.6439, 46.7006, 69.4545

Triad

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



49.1469, 46.7006, 82.7677



50.4810, 46.7006, 29.8241



34.7507, 46.7006, 48.8335

Complementary

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



49.1469, 46.7006, 82.7677



68.3729, 77.1797, 52.3698

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.



36.2623, 46.7006, 35.9037



49.1469, 46.7006, 82.7677



45.1046, 46.7006, 26.4402

Square

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



49.1469, 46.7006, 82.7677



54.4573, 46.7006, 38.7829



39.9458, 46.7006, 28.4155



35.6426, 46.7006, 65.1893

Rectangle

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



49.1469, 46.7006, 82.7677



55.3315, 46.7006, 58.3944



39.9458, 46.7006, 28.4155



34.9911, 46.7006, 43.9834

Sweetspot

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



49.1484, 46.7025, 82.7688



83.8877, 86.1814, 106.8211



60.0317, 70.1782, 86.7264



17.7596, 18.2043, 22.8277



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.



49.1484, 46.7025, 82.7688



55.2374, 50.9353, 101.5279



56.2926, 50.3854, 83.1031



13.7015, 13.9484, 18.1145



8.2988, 3.3441, 42.5912



0.6545, 0.2684, 3.1493

Inverse Universe

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



62.6705, 53.7543, 79.7470



74.7792, 61.1301, 96.9892



60.3362, 73.0366, 51.9937



14.9367, 14.5919, 17.8671



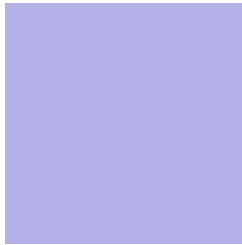
25.0469, 12.1530, 35.4718



1.8672, 0.9046, 2.7074

Previews

White Background



This preview shows how the XYZ color 49.1469, 46.7006, 82.7677 looks on a white background.

Color Contrast Check

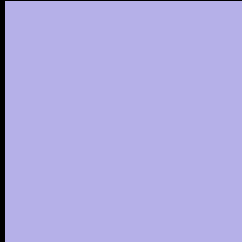
Large Text (above 18pt) WCAG AA × Fail

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 49.1469, 46.7006, 82.7677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

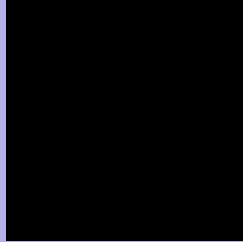
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1469, 46.7006, 82.7677

Background



This preview shows how black text looks on a background with the XYZ color 49.1469, 46.7006, 82.7677.



This preview shows how white text looks on a background with the XYZ color 49.1469, 46.7006,

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

49.1469, 46.7006, 82.7677

Protanopia

47.2530, 46.8562, 85.1509

Deuteranopia

47.7195, 46.5512, 82.8141



Tritanopia

44.2616, 46.4858, 59.4631

Trichromacy



Original Color

49.1469, 46.7006, 82.7677

Protanomaly

47.9846, 46.9514, 84.3754

Deuteranomaly

48.1921, 46.5006, 82.7794

Tritanomaly

46.0856, 46.6428, 67.5468

Monochromacy



Original Color

49.1469, 46.7006, 82.7677

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.5949, 47.3321, 61.9385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1469, 46.7006, 82.7677 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(181, 176, 232)` looks like.

```
.text, #text, p{  
    color:rgb(181, 176, 232)  
}
```

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(181, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 176, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.1469, 46.7006, 82.7677 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(181, 176, 232) }
```


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

```
.border{ border-color:rgb(181, 176, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 176, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(181, 176,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1469, 46.7006, 82.7677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 176, 232) }
```

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

```
.background{ background-color: rgb(181,  
176, 232) }
```

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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