

Converting Colors

XYZ(49.0027, 46.6949, 65.6591)

Have a look what the booklet for
XYZ(49.0027, 46.6949, 65.6591)
contains.

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Color

**XYZ(49.0981, 46.7670,
65.4707)**

Conversions

Conversions Part 1

Format	Color
Hex	C3AFCF
RGB	195, 175, 207
RGB Percent	76%, 69%, 81%
CMY	0.2353, 0.3137, 0.1882
CMYK	0.06, 0.15, 0.00, 0.19
HSL	277°, 25%, 75%
HSV	277°, 15%, 81%
XYZ	49.0981, 46.7670, 65.4707
YIQ	184.6280, 1.6480, 14.1920

Conversions

Conversions Part 2

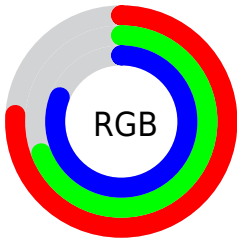
Format	Color
RYB	195, 175, 207
Decimal	12824527
CIELab	74.04, 13.08, -13.57
CIELCh	74, 18.844, 313.956
Yxy	46.7670, 0.3043, 0.2899
Android (android.graphics.Color)	4291014607 (0xFFC3AFCF)
YUV	184.6280, 11.0294, 9.0962
Hunter-Lab	68.3864, 8.4781, -8.8916

Details

The XYZ color **49.0981, 46.7670, 65.4707** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **50.5459, 58.2868, 49.1461**, and the grayscale version is **45.8488, 48.2365, 52.5295**.

A 20% lighter version of the original color is **86.7708, 85.0673, 106.4541**, and **23.8172, 22.1285, 33.1529** is the 20% darker color. If you saturate the color by 10%, you get **43.4204, 38.3117, 64.1386**, and if you desaturate by 10%, it is **55.5005, 56.5152, 67.0156**.

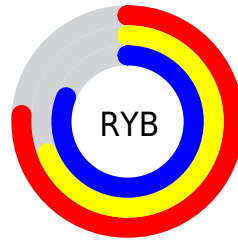
Distribution



Red (76%)

Green (69%)

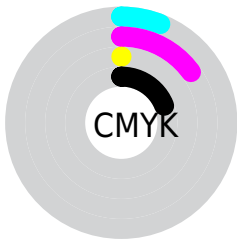
Blue (81%)



Red (76%)

Yellow (69%)

Blue (81%)

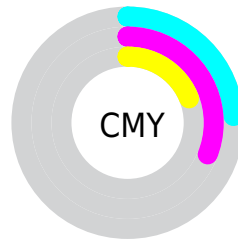


Cyan (6%)

Magenta (15%)

Yellow (0%)

Black (19%)



Cyan (24%)

Magenta (31%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0981, 46.7670, 65.4707 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 49.0981, 46.7670, 65.4707 by changing the saturation by 10% instead.

■ 49.0981, 46.7670,
65.4707

■ 49.0981, 46.7670,
65.4707

373.6389,
373.8837, 462.8340

■ 34.9122, 32.8515,
47.3891

■ 88.0370, 85.3657,
114.3461

■ 23.7614, 22.0127,
32.9868

113.5206,
110.8177, 145.9769

■ 15.2805, 13.8662,
21.8453

143.5009,
140.8840, 182.9612

■ 9.1041, 8.0277,
13.5460

178.3431,
175.9490, 225.7175

■ 4.8668, 4.1127,
7.6705

218.4127,
216.3971, 274.6644

■ 2.2033, 1.7368,
3.8001

264.0750,

■ 0.7445, 0.4473,

262.6126, 330.2205

1.5163

315.6953,
314.9800, 392.8041

■ 0.0000, 0.0000,
0.2300

■ 0.0000, 0.0000,
0.0000

■ 49.0981, 46.7670,
65.4707

■ 49.0981, 46.7670,
65.4707

■ 43.4204, 38.3117,
64.1386

■ 55.5005, 56.5152,
67.0156

■ 38.4336, 31.0865,
63.0068

■ 62.6511, 67.6036,
68.7790

■ 34.1072, 25.0320,
62.0662

■ 70.5776, 80.0844,
70.7702

■ 30.4068, 20.0818,
61.3058

■ 78.4036, 92.2025,
72.6968

■ 27.2944, 16.1624,
60.7133

■ 80.8943, 93.4865,
72.8133

■ 24.7273, 13.1910,
60.2751

■ 83.4966, 94.8281,
72.9351

■ 22.6563, 11.0718,
59.9752

■ 86.2120, 96.2279,
73.0622

■ 21.0212, 9.6873,
59.7941

■ 88.2626, 97.2851,
73.1582

■ 20.3722, 9.2012,
59.7345

Harmonies

Analogous

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



46.0306, 46.7670, 71.1208



49.0981, 46.7670, 65.4707



50.9682, 46.7670, 56.2200

Triad

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



49.0981, 46.7670, 65.4707



46.2642, 46.7670, 35.0981



38.4583, 46.7670, 55.5260

Complementary

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



49.0981, 46.7670, 65.4707



50.5459, 58.2868, 49.1461

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.



38.5138, 46.7670, 45.9665



49.0981, 46.7670, 65.4707



42.9072, 46.7670, 34.9619

Square

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



49.0981, 46.7670, 65.4707



49.2765, 46.7670, 39.1040



40.1061, 46.7670, 38.7049



39.9506, 46.7670, 64.9076

Rectangle

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



49.0981, 46.7670, 65.4707



51.2280, 46.7670, 49.6525



40.1061, 46.7670, 38.7049



38.2990, 46.7670, 52.2115

Sweetspot

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



49.0995, 46.7690, 65.4717



89.3792, 91.2376, 107.5076



46.7704, 49.2748, 66.0781



18.9656, 19.2745, 22.9707



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.



49.0995, 46.7690, 65.4717



75.1222, 69.6032, 104.0831



51.8748, 48.2518, 63.2471



11.8633, 11.7783, 14.8918



12.9431, 5.8527, 37.6400



0.8101, 0.3718, 2.1086

Inverse Universe

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



50.0333, 47.5152, 53.5503



76.9964, 71.0889, 80.6975



48.1034, 56.9847, 50.9725



11.9895, 11.8805, 13.2205



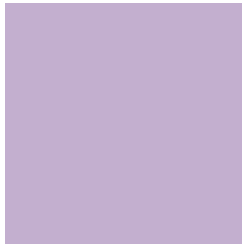
17.1129, 8.7180, 5.5006



0.9949, 0.5027, 0.5079

Previews

White Background



This preview shows how the XYZ color 49.0981, 46.7670, 65.4707 looks on a white background.

Color Contrast Check

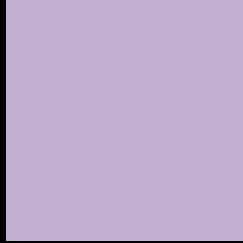
Large Text (above 18pt) WCAG AA × Fail

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 49.0981, 46.7670, 65.4707 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

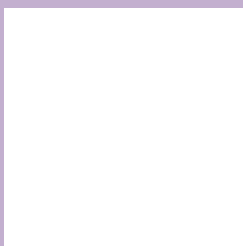
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0981, 46.7670, 65.4707

Background



This preview shows how black text looks on a background with the XYZ color 49.0981, 46.7670, 65.4707.



This preview shows how white text looks on a background with the XYZ color 49.0981, 46.7670, 65.4707.

65.4707.

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

49.0981, 46.7670, 65.4707

Protanopia

46.4132, 47.0980, 68.2726

Deuteranopia

47.7237, 46.6406, 65.5187



Tritanopia

47.4271, 46.9840, 56.4383

Trichromacy



Original Color

49.0981, 46.7670, 65.4707

Protanomaly

47.5201, 47.0837, 67.5562

Deuteranomaly

48.2737, 46.6320, 65.4881

Tritanomaly

48.0483, 46.9448, 59.3522

Monochromacy



Original Color

49.0981, 46.7670, 65.4707

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1358, 47.7168, 57.1780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0981, 46.7670, 65.4707 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, 175, 207)` looks like.

```
.text, #text, p{  
    color:rgb(195, 175, 207)  
}
```

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, 175, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 175, 207) }
```

Border

The CSS property to change the border of an element to XYZ 49.0981, 46.7670, 65.4707 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, 175, 207) }
```


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

```
.border{ border-color:rgb(195, 175, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 175, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 175, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 175, 207);  
box-shadow:4px 4px 4px 4px rgb(195, 175,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0981, 46.7670, 65.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 175, 207) }
```

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

```
.background{ background-color: rgb(195,  
175, 207) }
```

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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