

Converting Colors

XYZ(48.4664, 47.0621, 67.3483)

Have a look what the booklet for
XYZ(48.4664, 47.0621, 67.3483)
contains.

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Color

**XYZ(48.3413, 46.9162,
67.4806)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB1D2
RGB	189, 177, 210
RGB Percent	74%, 69%, 82%
CMY	0.2588, 0.3059, 0.1765
CMYK	0.10, 0.16, 0.00, 0.18
HSL	262°, 27%, 76%
HSV	262°, 16%, 82%
XYZ	48.3413, 46.9162, 67.4806
YIQ	184.3500, -3.4410, 12.8070

Conversions

Conversions Part 2

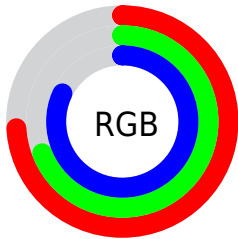
Format	Color
RYB	189, 177, 210
Decimal	12431826
CIELab	74.14, 10.60, -15.11
CIELCh	74, 18.455, 305.039
Yxy	46.9162, 0.2970, 0.2883
Android (android.graphics.Color)	4290621906 (0xFFBDB1D2)
YUV	184.3500, 12.6455, 4.0781
Hunter-Lab	68.4954, 6.1112, -10.4648




Details

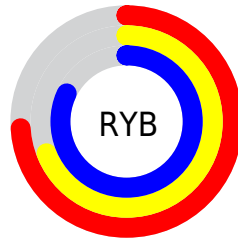
The XYZ color **48.3413, 46.9162, 67.4806** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **54.2726, 61.2744, 50.5638**, and the grayscale version is **45.6882, 48.0676, 52.3456**.




A 20% lighter version of the original color is **84.8451, 84.9103, 106.5253**, and **23.2774, 22.0161, 34.0330** is the 20% darker color. If you saturate the color by 10%, you get **41.3448, 37.6194, 66.0556**, and if you desaturate by 10%, it is **56.2844, 57.6510, 69.1347**.

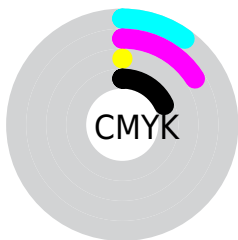
Distribution







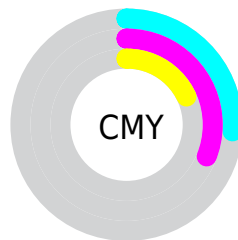
-  Red (74%)
-  Green (69%)
-  Blue (82%)






-  Red (74%)
-  Yellow (69%)
-  Blue (82%)



-  Cyan (10%)
-  Magenta (16%)
-  Yellow (0%)
-  Black (18%)



-  Cyan (26%)
-  Magenta (31%)
-  Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3413, 46.9162, 67.4806 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 48.3413, 46.9162, 67.4806 by changing the saturation by 10% instead.

■ 48.3413, 46.9162,
67.4806

■ 48.3413, 46.9162,
67.4806

370.7035,
374.4799, 470.2015

■ 34.3096, 32.9694,
49.0113

■ 86.9190, 85.5885,
117.2560

■ 23.2956, 22.1030,
34.2627

112.1957,
111.0828, 149.3991

■ 14.9338, 13.9326,
22.8165

141.9514,
141.1951, 186.9372

■ 8.8590, 8.0738,
14.2541

176.5516,
176.3098, 230.2888

■ 4.7057, 4.1422,
8.1568

216.3615,
216.8112, 279.8725

■ 2.1086, 1.7534,
4.1062

261.7466,

■ 0.6939, 0.4579,

263.0838, 336.1069

1.6838

313.0721,
315.5119, 399.4104

■ 0.0000, 0.0000,
0.3496

■ 0.0000, 0.0000,
0.0000

■ 48.3413, 46.9162,
67.4806

■ 48.3413, 46.9162,
67.4806

■ 41.3448, 37.6194,
66.0556

■ 56.2844, 57.6510,
69.1347

■ 35.2534, 29.6923,
64.8466

■ 65.2050, 69.8764,
71.0243

■ 30.0286, 23.0697,
63.8437

■ 75.1378, 83.6496,
73.1593

■ 25.6273, 17.6788,
63.0351

■ 84.1687, 95.1318,
74.8996

■ 22.0023, 13.4392,
62.4078

■ 88.6330, 97.4332,
75.1085

■ 19.1011, 10.2607,
61.9472

■ 16.8638, 8.0391,
61.6363

■ 15.2181, 6.6464,
61.4543

■ 14.6421, 6.2044,
61.3993

Harmonies

Analogous

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



45.1529, 46.9162, 71.4420



48.3413, 46.9162, 67.4806



50.6053, 46.9162, 59.1553

Triad

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



48.3413, 46.9162, 67.4806



47.3283, 46.9162, 36.2969



38.5571, 46.9162, 52.6990

Complementary

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



48.3413, 46.9162, 67.4806



54.2726, 61.2744, 50.5638

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.



39.0758, 46.9162, 43.7820



48.3413, 46.9162, 67.4806



44.0366, 46.9162, 35.0147

Square

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



48.3413, 46.9162, 67.4806



50.0004, 46.9162, 41.3311



41.0426, 46.9162, 37.5847



39.5892, 46.9162, 62.2613

Rectangle

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



48.3413, 46.9162, 67.4806



51.2277, 46.9162, 52.6739



41.0426, 46.9162, 37.5847



38.5564, 46.9162, 49.5260

Sweetspot

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



48.3427, 46.9182, 67.4816



88.1942, 90.6266, 107.4521



50.0630, 54.5960, 68.8729



18.6777, 19.1261, 22.9572



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.



48.3427, 46.9182, 67.4816



71.0462, 67.5019, 103.8924



52.5470, 49.0855, 67.6784



11.5637, 11.6239, 14.8778



9.0324, 3.8367, 37.4570



0.5911, 0.2589, 2.0984

Inverse Universe

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



52.4950, 49.2250, 60.1625



78.7861, 71.8047, 90.1217



50.2635, 59.2076, 50.3761



12.1208, 11.9331, 13.9119



18.8717, 9.4215, 14.7626



1.0926, 0.5417, 1.0222

Previews

White Background



This preview shows how the XYZ color 48.3413, 46.9162, 67.4806 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 48.3413, 46.9162, 67.4806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

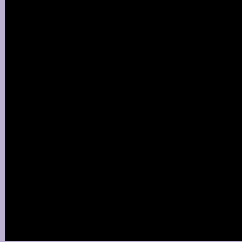
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3413, 46.9162, 67.4806

Background



This preview shows how black text looks on a background with the XYZ color 48.3413, 46.9162, 67.4806.



This preview shows how white text looks on a background with the XYZ color 48.3413, 46.9162,

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

48.3413, 46.9162, 67.4806

Protanopia

46.3120, 47.0313, 68.9244

Deuteranopia

48.0468, 47.0587, 67.5237



Tritanopia

46.3086, 46.9767, 57.6656

Trichromacy



Original Color

48.3413, 46.9162, 67.4806

Protanomaly

47.1352, 47.1694, 68.2483

Deuteranomaly

48.2923, 47.1853, 67.5352

Tritanomaly

47.0389, 46.9751, 61.2315

Monochromacy



Original Color

48.3413, 46.9162, 67.4806

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.3992, 47.3371, 57.1436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3413, 46.9162, 67.4806 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(189, 177, 210)` looks like.

```
.text, #text, p{  
    color:rgb(189, 177, 210)  
}
```

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(189, 177, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 177, 210) }
```

Border

The CSS property to change the border of an element to XYZ 48.3413, 46.9162, 67.4806 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(189, 177, 210) }
```


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

```
.border{ border-color:rgb(189, 177, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 177, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 177, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 177, 210);  
box-shadow:4px 4px 4px 4px rgb(189, 177,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3413, 46.9162, 67.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 177, 210) }
```

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

```
.background{ background-color: rgb(189,  
177, 210) }
```

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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