

Converting Colors

XYZ(47.5094, 41.8722, 68.5314)

Have a look what the booklet for
XYZ(47.5094, 41.8722, 68.5314)
contains.

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Color

**XYZ(47.3460, 41.6815,
68.5007)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A0D5
RGB	196, 160, 213
RGB Percent	77%, 63%, 84%
CMY	0.2314, 0.3725, 0.1647
CMYK	0.08, 0.25, 0.00, 0.16
HSL	281°, 39%, 73%
HSV	281°, 25%, 84%
XYZ	47.3460, 41.6815, 68.5007
YIQ	176.8060, 4.4430, 24.1150

Conversions

Conversions Part 2

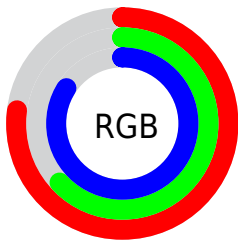
Format	Color
RYB	196, 160, 213
Decimal	12886229
CIELab	70.65, 22.86, -21.97
CIELCh	71, 31.710, 316.132
Yxy	41.6815, 0.3006, 0.2646
Android (android.graphics.Color)	4291076309 (0xFFC4A0D5)
YUV	176.8060, 17.8436, 16.8331
Hunter-Lab	64.5612, 17.9210, -17.7150

Details

The XYZ color **47.3460, 41.6815, 68.5007** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.2723, 59.4747, 42.1953**, and the grayscale version is **41.5971, 43.7634, 47.6583**.

A 20% lighter version of the original color is **82.8585, 76.7035, 105.0459**, and **22.6894, 18.9445, 34.8085** is the 20% darker color. If you saturate the color by 10%, you get **42.2285, 34.0244, 67.2931**, and if you desaturate by 10%, it is **53.1796, 50.6491, 69.9248**.

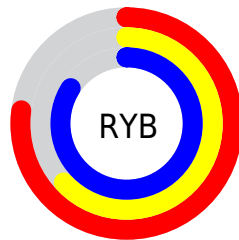
Distribution



Red (77%)

Green (63%)

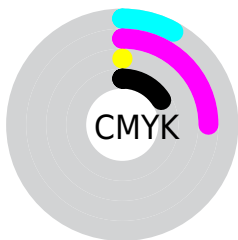
Blue (84%)



Red (77%)

Yellow (63%)

Blue (84%)

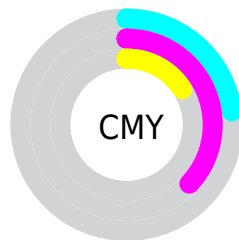


Cyan (8%)

Magenta (25%)

Yellow (0%)

Black (16%)



Cyan (23%)


Magenta (37%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3460, 41.6815, 68.5007 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 47.3460, 41.6815, 68.5007 by changing the saturation by 10% instead.


 47.3460, 41.6815,
68.5007


 47.3460, 41.6815,
68.5007


366.8198,
353.1609, 473.9141

 33.5184, 28.8520,
49.8360


 85.4455, 77.7174,
118.7291

 22.6850, 18.9689,
34.9128


 110.4480,
101.6925, 151.1299

 14.4805, 11.6478,
23.3127


139.9062,
130.1516, 188.9464

 8.5395, 6.5043,
14.6171

174.1854,
163.4791, 232.5972

 4.4968, 3.1541,
8.4075

213.6511,
202.0594, 282.5008

 1.9868, 1.2127,
4.2653

258.6684,

 0.6265, 0.0720,

246.2769, 339.0758

1.7720

309.6029,
296.5159, 402.7408

■ 0.0000, 0.0000,
0.4094

■ 0.0000, 0.0000,
0.0000

■ 47.3460, 41.6815,
68.5007

■ 47.3460, 41.6815,
68.5007

■ 42.2285, 34.0244,
67.2931

■ 53.1796, 50.6491,
69.9248

■ 37.7900, 27.6073,
66.2884

■ 59.7564, 60.9822,
71.5726

■ 33.9955, 22.3614,
65.4758

■ 67.1068, 72.7392,
73.4546

■ 30.8052, 18.2086,
64.8424

■ 75.2582, 85.9735,
75.5794

■ 28.1744, 15.0612,
64.3736

■ 80.4558, 93.1741,
76.6953

■ 26.0515, 12.8176,
64.0524

■ 82.6938, 94.3278,
76.8001

■ 24.3735, 11.3536,
63.8582

■ 85.0187, 95.5264,
76.9089

■ 23.6308, 10.7947,
63.7895

■ 87.4315, 96.7702,
77.0218

■ 89.0104, 97.5841,
77.0957

Harmonies

Analogous

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



42.4874, 41.6815, 79.1894



47.3460, 41.6815, 68.5007



50.2430, 41.6815, 52.6689

Triad

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



47.3460, 41.6815, 68.5007



42.0851, 41.6815, 22.7123



30.6929, 41.6815, 53.8964

Complementary

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



47.3460, 41.6815, 68.5007



48.2723, 59.4747, 42.1953

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.



30.6059, 41.6815, 38.8040



47.3460, 41.6815, 68.5007



36.8790, 41.6815, 22.8991

Square

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



47.3460, 41.6815, 68.5007



47.0292, 41.6815, 27.5755



32.7786, 41.6815, 28.1588



33.0277, 41.6815, 69.5687

Rectangle

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



47.3460, 41.6815, 68.5007



50.5205, 41.6815, 42.3666



32.7786, 41.6815, 28.1588



30.4073, 41.6815, 48.5416

Sweetspot

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



47.3473, 41.6833, 68.5016



87.5424, 88.0655, 106.9921



42.3632, 43.9878, 69.2091



18.6049, 18.6401, 22.8673



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.



47.3473, 41.6833, 68.5016



66.8516, 56.1596, 101.9242



50.9317, 43.6571, 62.9748



12.5477, 12.4238, 15.6742



14.5452, 6.6508, 38.9703



0.9619, 0.4447, 2.3545

Inverse Universe

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



47.9486, 42.4639, 47.2661



68.0441, 57.6138, 64.0581



45.4387, 57.9215, 46.2411



12.5858, 12.4858, 13.7590



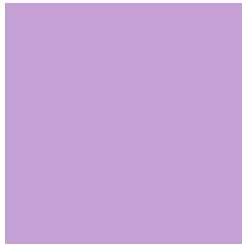
17.4468, 8.9150, 4.3908



1.0896, 0.5526, 0.4613

Previews

White Background



This preview shows how the XYZ color 47.3460, 41.6815, 68.5007 looks on a white background.

Color Contrast Check

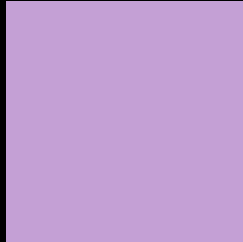
Large Text (above 18pt) WCAG AA × Fail

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 47.3460, 41.6815, 68.5007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

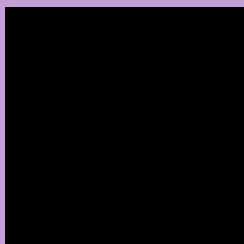
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3460, 41.6815, 68.5007

Background



This preview shows how black text looks on a background with the XYZ color 47.3460, 41.6815, 68.5007.



This preview shows how white text looks on a background with the XYZ color 47.3460, 41.6815,

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

47.3460, 41.6815, 68.5007

Protanopia

42.1113, 41.8199, 74.2592

Deuteranopia

42.7404, 41.7370, 67.4314



Tritanopia

43.2588, 41.6035, 48.3981

Trichromacy



Original Color

47.3460, 41.6815, 68.5007

Protanomaly

43.7072, 41.5836, 72.0525

Deuteranomaly

44.3423, 41.7292, 68.0048

Tritanomaly

44.6717, 41.6500, 54.9750

Monochromacy



Original Color

47.3460, 41.6815, 68.5007

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.6243, 43.0339, 54.7223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3460, 41.6815, 68.5007 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(196, 160, 213)` looks like.

```
.text, #text, p{  
    color:rgb(196, 160, 213)  
}
```

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(196, 160, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 160, 213) }
```

Border

The CSS property to change the border of an element to XYZ 47.3460, 41.6815, 68.5007 is called "border". The border property can be set on classes, ids or directly on the HTML element.

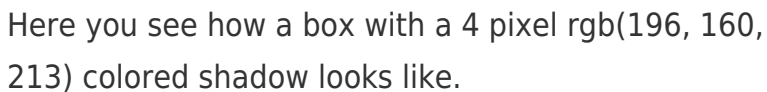
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 160, 213) }
```


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

```
.border{ border-color:rgb(196, 160, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 160, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 160, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 160, 213);  
box-shadow:4px 4px 4px 4px rgb(196, 160,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3460, 41.6815, 68.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 160, 213) }
```

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

```
.background{ background-color: rgb(196,  
160, 213) }
```

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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