

Converting Colors

XYZ(46.4209, 41.4984, 70.7179)

Have a look what the booklet for
XYZ(46.4209, 41.4984, 70.7179)
contains.

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Color

**XYZ(46.3747, 41.3948,
70.5115)**

Conversions

Conversions Part 1

Format	Color
Hex	BEA1D8
RGB	190, 161, 216
RGB Percent	75%, 63%, 85%
CMY	0.2549, 0.3686, 0.1529
CMYK	0.12, 0.25, 0.00, 0.15
HSL	272°, 41%, 74%
HSV	272°, 25%, 85%
XYZ	46.3747, 41.3948, 70.5115
YIQ	175.9410, -0.3710, 23.2530

Conversions

Conversions Part 2

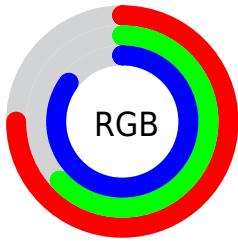
Format	Color
RYB	190, 161, 216
Decimal	12493272
CIELab	70.45, 20.99, -23.98
CIELCh	70, 31.868, 311.197
Yxy	41.3948, 0.2930, 0.2615
Android (android.graphics.Color)	4290683352 (0xFFBEA1D8)
YUV	175.9410, 19.7491, 12.3297
Hunter-Lab	64.3388, 16.0680, -19.9412

Details

The XYZ color **46.3747, 41.3948, 70.5115** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.4839, 62.2508, 43.0223**, and the grayscale version is **41.1378, 43.2801, 47.1321**.

A 20% lighter version of the original color is **80.9636, 76.1059, 105.0304**, and **22.0550, 18.7447, 36.1739** is the 20% darker color. If you saturate the color by 10%, you get **40.4597, 33.2186, 69.2457**, and if you desaturate by 10%, it is **53.1231, 50.9706, 72.0048**.

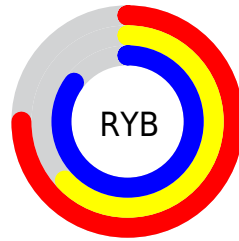
Distribution



Red (75%)

Green (63%)

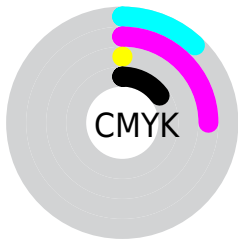
Blue (85%)



Red (75%)

Yellow (63%)

Blue (85%)

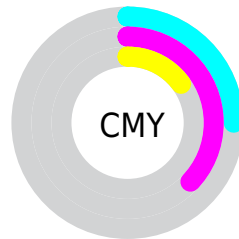


Cyan (12%)

Magenta (25%)

Yellow (0%)

Black (15%)



Cyan (25%)

Magenta (37%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3747, 41.3948, 70.5115 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 46.3747, 41.3948, 70.5115 by changing the saturation by 10% instead.


 46.3747, 41.3948,
70.5115


 46.3747, 41.3948,
70.5115


363.0038,
351.9680, 481.1815

 32.7475, 28.6277,
51.4643


 84.0039, 77.2829,
121.6258

 22.0914, 18.7994,
36.1989


 108.7366,
101.1726, 154.5300

 14.0410, 11.5254,
24.2970


137.9019,
129.5387, 192.8903

 8.2311, 6.4214,
15.3398

171.8651,
162.7655, 237.1252

 4.2962, 3.1030,
8.9090

210.9915,
201.2374, 287.6532

 1.8710, 1.1857,
4.5858

255.6465,

 0.5599, 0.0500,

245.3389, 344.8929

1.9519

306.1955,
295.4543, 409.2628

■ 0.0000, 0.0000,
0.5255

■ 0.0000, 0.0000,
0.0000

■ 46.3747, 41.3948,
70.5115

■ 46.3747, 41.3948,
70.5115

■ 40.4597, 33.2186,
69.2457

■ 53.1231, 50.9706,
72.0048

■ 35.3369, 26.3679,
68.1934

■ 60.7356, 62.0049,
73.7334

■ 30.9674, 20.7695,
67.3431

■ 69.2460, 74.5594,
75.7081

■ 27.3071, 16.3408,
66.6812

■ 78.6851, 88.6907,
77.9382

■ 24.3063, 12.9887,
66.1924

■ 84.4503, 95.1889,
78.8887

■ 21.9082, 10.6054,
65.8587

■ 88.0356, 97.0372,
79.0565

■ 20.0435, 9.0590,
65.6585

■ 89.3948, 97.7379,
79.1201

■ 19.3196, 8.5278,
65.5941

Harmonies

Analogous

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



41.3375, 41.3948, 79.7943



46.3747, 41.3948, 70.5115



49.6946, 41.3948, 55.0464

Triad

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



46.3747, 41.3948, 70.5115



42.6885, 41.3948, 22.8705



30.2499, 41.3948, 50.9221

Complementary

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



46.3747, 41.3948, 70.5115



51.4839, 62.2508, 43.0223

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.



30.5416, 41.3948, 36.3816



46.3747, 41.3948, 70.5115



37.4167, 41.3948, 22.2449

Square

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



46.3747, 41.3948, 70.5115



47.4391, 41.3948, 28.5862



33.0633, 41.3948, 26.6311



32.2274, 41.3948, 66.9204

Rectangle

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



46.3747, 41.3948, 70.5115



50.3240, 41.3948, 44.4704



33.0633, 41.3948, 26.6311



30.0908, 41.3948, 45.6788

Sweetspot

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



46.3760, 41.3965, 70.5124



85.4245, 85.8844, 106.6827



44.9885, 48.3253, 71.9229



17.9172, 17.8491, 22.7508



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.



46.3760, 41.3965, 70.5124



62.3683, 53.0994, 101.5698



53.3414, 45.0010, 70.2214



12.3613, 12.3277, 15.6655



11.5608, 5.1123, 38.8306



0.7926, 0.3575, 2.3465

Inverse Universe

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



50.0348, 43.6783, 52.8094



68.8065, 57.1115, 70.5614



45.7695, 59.2955, 43.1785



12.6652, 12.5176, 14.1772



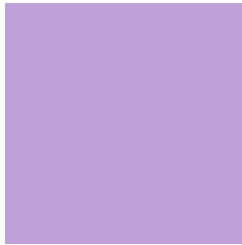
18.2385, 9.2317, 8.5597



1.1417, 0.5735, 0.7356

Previews

White Background



This preview shows how the XYZ color 46.3747, 41.3948, 70.5115 looks on a white background.

Color Contrast Check

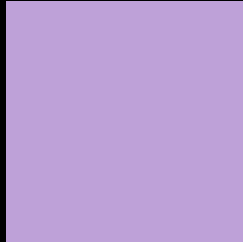
Large Text (above 18pt) WCAG AA × Fail

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 46.3747, 41.3948, 70.5115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

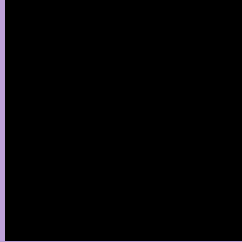
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3747, 41.3948, 70.5115

Background



This preview shows how black text looks on a background with the XYZ color 46.3747, 41.3948, 70.5115.



This preview shows how white text looks on a background with the XYZ color 46.3747, 41.3948,

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

46.3747, 41.3948, 70.5115

Protanopia

41.9921, 41.4481, 75.5991

Deuteranopia

42.4740, 41.5558, 69.4008



Tritanopia

42.1103, 41.5318, 49.5131

Trichromacy



Original Color

46.3747, 41.3948, 70.5115

Protanomaly

43.3145, 41.3508, 73.4087

Deuteranomaly

43.8065, 41.4088, 69.9738

Tritanomaly

43.4424, 41.2444, 56.7102

Monochromacy



Original Color

46.3747, 41.3948, 70.5115

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.0229, 42.7112, 55.2667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3747, 41.3948, 70.5115 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(190, 161, 216)` looks like.

```
.text, #text, p{  
    color:rgb(190, 161, 216)  
}
```

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(190, 161, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 161, 216) }
```

Border

The CSS property to change the border of an element to XYZ 46.3747, 41.3948, 70.5115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

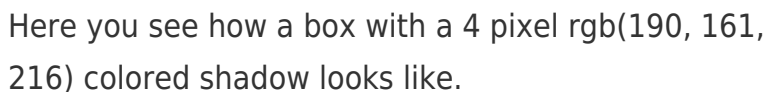
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(190, 161, 216) }
```


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

```
.border{ border-color:rgb(190, 161, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(190, 161, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 161, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 161, 216); box-shadow:4px 4px 4px 4px rgb(190, 161, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3747, 41.3948, 70.5115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 161, 216) }
```

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

```
.background{ background-color: rgb(190,  
161, 216) }
```

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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