

Converting Colors

XYZ(46.2617, 44.8027, 68.0216)

Have a look what the booklet for
XYZ(46.2617, 44.8027, 68.0216)
contains.

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Color

**XYZ(46.2299, 44.6576,
67.8112)**

Conversions

Conversions Part 1

Format	Color
Hex	B7ADD3
RGB	183, 173, 211
RGB Percent	72%, 68%, 83%
CMY	0.2823, 0.3216, 0.1725
CMYK	0.13, 0.18, 0.00, 0.17
HSL	256°, 30%, 75%
HSV	256°, 18%, 83%
XYZ	46.2299, 44.6576, 67.8112
YIQ	180.3220, -6.2380, 13.9380

Conversions

Conversions Part 2

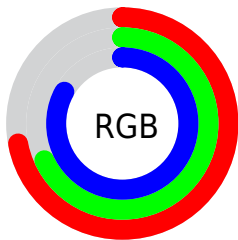
Format	Color
RYB	183, 173, 211
Decimal	12037587
CIELab	72.67, 11.04, -17.92
CIELCh	73, 21.049, 301.621
Yxy	44.6576, 0.2913, 0.2814
Android (android.graphics.Color)	4290227667 (0xFFB7ADD3)
YUV	180.3220, 15.1243, 2.3486
Hunter-Lab	66.8263, 6.5387, -13.3854

Details

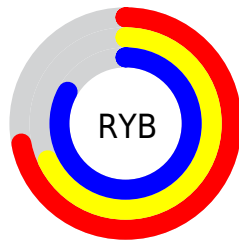
The XYZ color **46.2299, 44.6576, 67.8112** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.9260, 62.0243, 48.6143**, and the grayscale version is **43.4802, 45.7446, 49.8158**.

A 20% lighter version of the original color is **81.3900, 81.0575, 105.9637**, and **22.0440, 20.8209, 34.3095** is the 20% darker color. If you saturate the color by 10%, you get **39.0031, 35.3935, 66.4047**, and if you desaturate by 10%, it is **54.5070, 55.4139, 69.4518**.

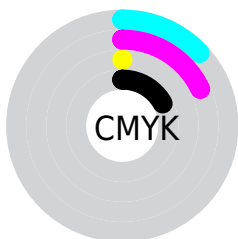
Distribution



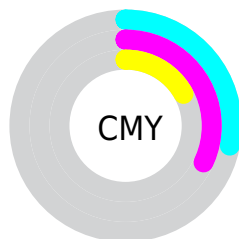
- Red (72%)
- Green (68%)
- Blue (83%)



- Red (72%)
- Yellow (68%)
- Blue (83%)



- Cyan (13%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (28%)
- Magenta (32%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2299, 44.6576, 67.8112 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 46.2299, 44.6576, 67.8112 by changing the saturation by 10% instead.

■ 46.2299, 44.6576,
67.8112

■ 46.2299, 44.6576,
67.8112

362.4326,
365.3851, 471.4067

■ 32.6327, 31.1878,
49.2784

■ 83.7887, 82.2064,
117.7337

■ 22.0031, 20.7419,
34.4732

108.4810,
107.0541, 149.9604

■ 13.9758, 12.9355,
22.9771

137.6024,
136.4634, 187.5890

■ 8.1854, 7.3841,
14.3714

171.5182,
170.8184, 231.0378

■ 4.2666, 3.7035,
8.2378

210.5937,
210.5037, 280.7254

■ 1.8540, 1.5091,
4.1575

255.1944,

■ 0.5499, 0.2951,

255.9037, 337.0704

1.7122

305.6856,
307.4027, 400.4913

■ 0.0000, 0.0000,
0.3690

■ 0.0000, 0.0000,
0.0000

■ 46.2299, 44.6576,
67.8112

■ 46.2299, 44.6576,
67.8112

■ 39.0031, 35.3935,
66.4047

■ 54.5070, 55.4139,
69.4518

■ 32.7792, 27.5495,
65.2186

■ 63.8708, 67.7192,
71.3335

■ 27.5135, 21.0555,
64.2427

■ 74.3610, 81.6342,
73.4664

■ 23.1559, 15.8334,
63.4644

■ 85.2422, 95.6707,
75.6023

■ 19.6516, 11.7967,
62.8700

■ 88.7580, 97.4832,
75.7668

■ 16.9394, 8.8481,
62.4438

■ 14.9489, 6.8739,
62.1676

■ 13.5846, 5.7126,
62.0154

■ 13.3621, 5.5302,
61.9919

Harmonies

Analogous

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



42.6444, 44.6576, 71.5915



46.2299, 44.6576, 67.8112



48.9198, 44.6576, 58.8093

Triad

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



46.2299, 44.6576, 67.8112



45.8670, 44.6576, 33.0075



35.8143, 44.6576, 49.1950

Complementary

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



46.2299, 44.6576, 67.8112



54.9260, 62.0243, 48.6143

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.



36.5696, 44.6576, 39.6893



46.2299, 44.6576, 67.8112



42.2476, 44.6576, 31.1840

Square

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



46.2299, 44.6576, 67.8112



48.7020, 44.6576, 38.8358



38.8739, 44.6576, 33.4484



36.7495, 44.6576, 59.9337

Rectangle

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



46.2299, 44.6576, 67.8112



49.7689, 44.6576, 51.6103



38.8739, 44.6576, 33.4484



35.8786, 44.6576, 45.7562

Sweetspot

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



46.2313, 44.6595, 67.8122



87.7441, 90.3946, 107.4310



49.9963, 55.5956, 69.7246



18.5685, 19.0698, 22.9521



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.



46.2313, 44.6595, 67.8122



66.0832, 62.2660, 103.1433



50.9249, 47.0791, 68.0319



11.4512, 11.5659, 14.8726



8.1468, 3.3801, 37.4155



0.5313, 0.2281, 2.0956

Inverse Universe

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



52.3516, 47.9550, 61.7573



77.4041, 68.3663, 91.7406



50.2483, 59.6128, 48.3953



12.1725, 11.9537, 14.1839



19.8515, 9.8135, 19.9222



1.1417, 0.5614, 1.2808

Previews

White Background



This preview shows how the XYZ color 46.2299, 44.6576, 67.8112 looks on a white background.

Color Contrast Check

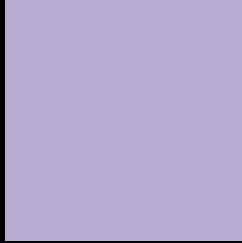
Large Text (above 18pt) WCAG AA × Fail

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 46.2299, 44.6576, 67.8112 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 46.2299, 44.6576, 67.8112

Background



This preview shows how black text looks on a background with the XYZ color 46.2299, 44.6576, 67.8112.



This preview shows how white text looks on a background with the XYZ color 46.2299, 44.6576,

67.8112.

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

46.2299, 44.6576, 67.8112

Protanopia

44.3099, 44.7944, 69.2616

Deuteranopia

45.7163, 44.6786, 67.8423



Tritanopia

43.9485, 44.9092, 55.6422

Trichromacy



Original Color

46.2299, 44.6576, 67.8112

Protanomaly

45.0882, 44.9181, 68.5810

Deuteranomaly

45.9500, 44.7990, 67.8533

Tritanomaly

44.7744, 44.9516, 59.7427

Monochromacy



Original Color

46.2299, 44.6576, 67.8112

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.1822, 45.0296, 55.6532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2299, 44.6576, 67.8112 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(183, 173, 211)` looks like.

```
.text, #text, p{  
    color:rgb(183, 173, 211)  
}
```

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(183, 173, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 173, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.2299, 44.6576, 67.8112 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(183, 173, 211) }
```


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

```
.border{ border-color:rgb(183, 173, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 173, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 173, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 173, 211);  
box-shadow:4px 4px 4px 4px rgb(183, 173,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2299, 44.6576, 67.8112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 173, 211) }
```

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

```
.background{ background-color: rgb(183,  
173, 211) }
```

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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