

Converting Colors

XYZ(46.0106, 36.8223, 61.7260)

Have a look what the booklet for
XYZ(46.0106, 36.8223, 61.7260)
contains.

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Color

**XYZ(46.0257, 36.8274,
61.8093)**

Conversions

Conversions Part 1

Format	Color
Hex	CE8ECC
RGB	206, 142, 204
RGB Percent	81%, 56%, 80%
CMY	0.1922, 0.4431, 0.2000
CMYK	0.00, 0.31, 0.01, 0.19
HSL	302°, 40%, 68%
HSV	302°, 31%, 81%
XYZ	46.0257, 36.8274, 61.8093
YIQ	168.2040, 18.2420, 32.8500

Conversions

Conversions Part 2

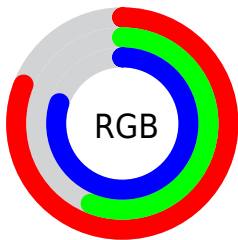
Format	Color
R _Y B	206, 142, 204
Decimal	13536972
CIE Lab	67.15, 34.24, -22.24
CIE LCh	67, 40.833, 326.994
Yxy	36.8274, 0.3182, 0.2546
Android (android.graphics.Color)	4291727052 (0xFFCE8ECC)
YUV	168.2040, 17.6474, 33.1471
Hunter-Lab	60.6856, 29.1798, -17.9080

Details

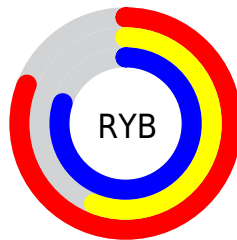
The XYZ color **46.0257, 36.8274, 61.8093** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.2622, 51.9083, 34.3903**, and the grayscale version is **37.2303, 39.1692, 42.6553**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **21.9237, 16.0936, 30.8050** is the 20% darker color. If you saturate the color by 10%, you get **43.1627, 31.2241, 60.4750**, and if you desaturate by 10%, it is **49.4577, 43.5669, 63.3356**.

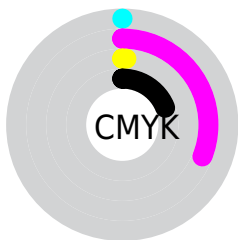
Distribution



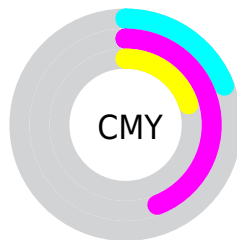
- Red (81%)
- Green (56%)
- Blue (80%)



- Red (81%)
- Yellow (56%)
- Blue (80%)



- Cyan (0%)
- Magenta (31%)
- Yellow (1%)
- Black (19%)





- Cyan (19%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0257, 36.8274, 61.8093 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 46.0257, 36.8274, 61.8093 by changing the saturation by 10% instead.


 46.0257, 36.8274,
61.8093


 46.0257, 36.8274,
61.8093

361.6262,
332.5627, 449.2236

 32.4708, 25.0739,
44.4438


 83.4851, 70.3072,
109.0188

 21.8787, 16.1321,
30.6798


 108.1203, 92.8024,
139.6999

 13.8839, 9.6177,
20.0988


137.1797,
119.6468, 175.6566

 8.1211, 5.1462,
12.2821

171.0285,
151.2250, 217.3075

 4.2250, 2.3333,
6.8112

210.0323,
187.9212, 265.0711

 1.8302, 0.7913,
3.2677

254.5562,

 0.5358, 0.0000,

230.1200, 319.3660

1.2329

304.9657,
278.2057, 380.6106

■ 0.0000, 0.0000,
0.0058

■ 0.0000, 0.0000,
0.0000

■ 46.0257, 36.8274,
61.8093

■ 46.0257, 36.8274,
61.8093

■ 43.1627, 31.2241,
60.4750

■ 49.4577, 43.5669,
63.3356

■ 40.8340, 26.6895,
59.3200

■ 53.4841, 51.4953,
65.0612

■ 39.0065, 23.1568,
58.3337

■ 58.1330, 60.6680,
66.9959

■ 37.6419, 20.5495,
57.5032

■ 63.4295, 71.1356,
69.1481

36.6965, 18.7800,
56.8140

69.3975, 82.9458,
71.5257

36.1182, 17.7444,
56.2488

72.5826, 89.1894,
72.9772

35.8281, 17.2717,
55.8206

72.6619, 89.2212,
73.3950

72.7416, 89.2531,
73.8146

72.8216, 89.2851,
74.2359

Harmonies

Analogous

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



40.7194, 36.8274, 79.0346



46.0257, 36.8274, 61.8093



48.3619, 36.8274, 41.9228

Triad

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



46.0257, 36.8274, 61.8093



35.6346, 36.8274, 14.6916



25.3883, 36.8274, 57.7484

Complementary

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



46.0257, 36.8274, 61.8093



38.2622, 51.9083, 34.3903

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.



24.3635, 36.8274, 38.3285



46.0257, 36.8274, 61.8093



29.8489, 36.8274, 16.6608

Square

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



46.0257, 36.8274, 61.8093



41.9334, 36.8274, 17.6815



25.8982, 36.8274, 24.1802



28.8822, 36.8274, 76.2432

Rectangle

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



46.0257, 36.8274, 61.8093



47.7370, 36.8274, 30.8950



25.8982, 36.8274, 24.1802



24.7630, 36.8274, 50.9699

Sweetspot

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



46.0269, 36.8290, 61.8101



88.0454, 86.1753, 105.9963



32.1544, 29.6496, 62.4217



18.6201, 18.0010, 22.5929



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.



46.0269, 36.8290, 61.8101



71.5025, 53.6590, 98.7260



42.6644, 35.4840, 44.1033



11.6718, 11.3975, 14.0724



22.0685, 10.6380, 34.4091



1.1434, 0.5507, 1.8008

Inverse Universe

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



46.0269, 36.8290, 61.8101



71.5025, 53.6590, 98.7260



40.9725, 52.9924, 48.6624



11.6718, 11.3975, 14.0724



22.0685, 10.6380, 34.4091



1.1434, 0.5507, 1.8008

Previews

White Background



This preview shows how the XYZ color 46.0257, 36.8274, 61.8093 looks on a white background.

Color Contrast Check

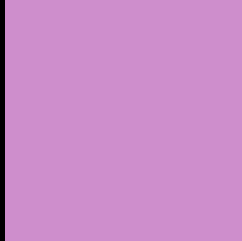
Large Text (above 18pt) WCAG AA × Fail

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 46.0257, 36.8274, 61.8093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

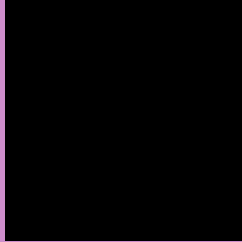
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0257, 36.8274, 61.8093

Background



This preview shows how black text looks on a background with the XYZ color 46.0257, 36.8274, 61.8093.



This preview shows how white text looks on a background with the XYZ color 46.0257, 36.8274,

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

46.0257, 36.8274, 61.8093

Protanopia

37.7880, 37.1985, 71.5181

Deuteranopia

37.8114, 36.9357, 60.3948



Tritanopia

41.2474, 36.7007, 39.0924

Trichromacy



Original Color

46.0257, 36.8274, 61.8093



Protanomaly

40.0938, 36.6818, 67.9179



Deuteranomaly

40.1834, 36.3938, 60.7839



Tritanomaly

42.7267, 36.5983, 46.4072

Monochromacy



Original Color

46.0257, 36.8274, 61.8093



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

40.0300, 38.0776, 48.9560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0257, 36.8274, 61.8093 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(206, 142, 204)` looks like.

```
.text, #text, p{  
    color:rgb(206, 142, 204)  
}
```

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(206, 142, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 142, 204) }
```

Border

The CSS property to change the border of an element to XYZ 46.0257, 36.8274, 61.8093 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(206, 142, 204) }
```


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

```
.border{ border-color:rgb(206, 142, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 142, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 142, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 142, 204);  
box-shadow:4px 4px 4px 4px rgb(206, 142,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0257, 36.8274, 61.8093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 142, 204) }
```

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

```
.background{ background-color: rgb(206,  
142, 204) }
```

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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