

Converting Colors

XYZ(46.8538, 39.2216, 61.3289)

Have a look what the booklet for
XYZ(46.8538, 39.2216, 61.3289)
contains.

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Color

**XYZ(46.8627, 39.1036,
61.5777)**

Conversions

Conversions Part 1

Format	Color
Hex	CD96CB
RGB	205, 150, 203
RGB Percent	80%, 59%, 80%
CMY	0.1961, 0.4117, 0.2039
CMYK	0.00, 0.27, 0.01, 0.20
HSL	302°, 35%, 70%
HSV	302°, 27%, 80%
XYZ	46.8627, 39.1036, 61.5777
YIQ	172.4870, 15.7670, 28.1430

Conversions

Conversions Part 2

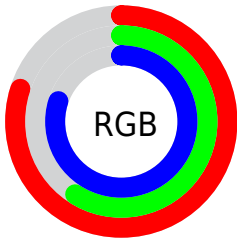
Format	Color
R _Y B	205, 150, 203
Decimal	13473483
CIE Lab	68.83, 29.37, -19.14
CIE LCh	69, 35.058, 326.909
Yxy	39.1036, 0.3176, 0.2650
Android (android.graphics.Color)	4291663563 (0xFFCD96CB)
YUV	172.4870, 15.0429, 28.5139
Hunter-Lab	62.5329, 24.3370, -14.6114

Details

The XYZ color **46.8627, 39.1036, 61.5777** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.0781, 52.4150, 37.7127**, and the grayscale version is **39.3810, 41.4318, 45.1193**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **22.3702, 17.3893, 30.6112** is the 20% darker color. If you saturate the color by 10%, you get **43.7850, 33.0894, 60.1148**, and if you desaturate by 10%, it is **50.5155, 46.2659, 63.2353**.

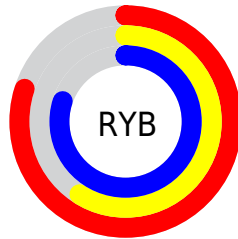
Distribution



Red (80%)

Green (59%)

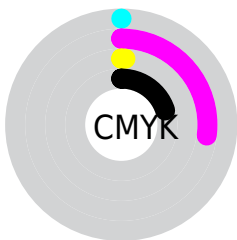
Blue (80%)



Red (80%)

Yellow (59%)

Blue (80%)

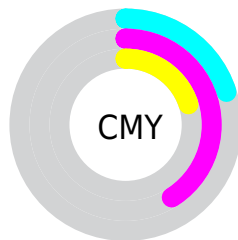


Cyan (0%)

Magenta (27%)

Yellow (1%)

Black (20%)



Cyan (20%)


Magenta (41%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8627, 39.1036, 61.5777 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 46.8627, 39.1036, 61.5777 by changing the saturation by 10% instead.

 46.8627, 39.1036,
61.5777


 46.8627, 39.1036,
61.5777


364.9243,
342.3308, 448.3541

 33.1346, 26.8403,
44.2580


 84.7286, 73.7966,
108.6806

 22.3893, 17.4533,
30.5347


 109.5972, 96.9950,
139.3009

 14.2614, 10.5582,
19.9893


138.9100,
124.6074, 175.1918

 8.3856, 5.7706,
12.2033

173.0323,
157.0180, 216.7718

 4.3966, 2.7061,
6.7580

212.3295,
194.6112, 264.4595

 1.9288, 0.9803,
3.2351

257.1670,

 0.5935, 0.0000,

237.7715, 318.6734

1.2159

307.9102,
286.8832, 379.8321

■ 0.0000, 0.0000,
0.0000

■ 46.8627, 39.1036,
61.5777

■ 46.8627, 39.1036,
61.5777

■ 43.7850, 33.0894,
60.1148

■ 50.5155, 46.2659,
63.2353

■ 41.2490, 28.1586,
58.8341

■ 54.7674, 54.6263,
65.0942

■ 39.2233, 24.2478,
57.7257

■ 59.6454, 64.2385,
67.1640

■ 37.6720, 21.2850,
56.7774

■ 65.1739, 75.1509,
69.4528

■ 36.5545, 19.1891,
55.9759

■ 71.3760, 87.4097,
71.9681

■ 35.8232, 17.8649,
55.3052

■ 72.2580, 89.0276,
72.7123

■ 35.4156, 17.1876,
54.7445

■ 72.3496, 89.0643,
73.1951

■ 35.3178, 17.0356,
54.5775

■ 72.4418, 89.1012,
73.6802

■ 72.5343, 89.1382,
74.1676

Harmonies

Analogous

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



42.2183, 39.1036, 76.1332



46.8627, 39.1036, 61.5777



48.8972, 39.1036, 44.2499

Triad

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



46.8627, 39.1036, 61.5777



37.7464, 39.1036, 18.7374



28.4251, 39.1036, 57.9919

Complementary

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



46.8627, 39.1036, 61.5777



40.0781, 52.4150, 37.7127

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.



27.4807, 39.1036, 40.9471



46.8627, 39.1036, 61.5777



32.5352, 39.1036, 20.6940

Square

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



46.8627, 39.1036, 61.5777



43.3149, 39.1036, 21.7317



28.9100, 39.1036, 27.9524



31.6299, 39.1036, 73.7263

Rectangle

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



46.8627, 39.1036, 61.5777



48.3629, 39.1036, 34.2783



28.9100, 39.1036, 27.9524



27.8475, 39.1036, 52.1178

Sweetspot

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



46.8639, 39.1053, 61.5785



88.7647, 87.6202, 106.2166



34.8452, 32.8817, 62.2688



18.7624, 18.2883, 22.6321



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.



46.8639, 39.1053, 61.5785



73.8361, 58.3311, 99.4891



43.8881, 37.9150, 45.9084



11.6692, 11.3964, 14.0588



21.9942, 10.6083, 34.0180



1.1403, 0.5495, 1.7846

Inverse Universe

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



46.8639, 39.1053, 61.5785



73.8361, 58.3311, 99.4891



42.5809, 53.4161, 50.8924



11.6692, 11.3964, 14.0588



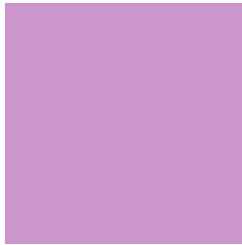
21.9942, 10.6083, 34.0180



1.1403, 0.5495, 1.7846

Previews

White Background



This preview shows how the XYZ color 46.8627, 39.1036, 61.5777 looks on a white background.

Color Contrast Check

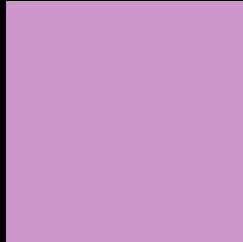
Large Text (above 18pt) WCAG AA × Fail

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 46.8627, 39.1036, 61.5777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

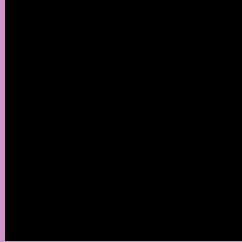
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8627, 39.1036, 61.5777

Background



This preview shows how black text looks on a background with the XYZ color 46.8627, 39.1036, 61.5777.



This preview shows how white text looks on a background with the XYZ color 46.8627, 39.1036,

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

46.8627, 39.1036, 61.5777

Protanopia

39.4841, 39.1954, 69.1028

Deuteranopia

40.0630, 39.1561, 60.0899



Tritanopia

42.8693, 38.9209, 42.7891

Trichromacy



Original Color

46.8627, 39.1036, 61.5777

Protanomaly

41.6592, 38.7934, 66.2650

Deuteranomaly

42.2322, 38.9584, 60.5522

Tritanomaly

44.2532, 39.0040, 48.9122

Monochromacy



Original Color

46.8627, 39.1036, 61.5777

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.5899, 40.1602, 50.3594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8627, 39.1036, 61.5777 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(205, 150, 203)` looks like.

```
.text, #text, p{  
    color:rgb(205, 150, 203)  
}
```

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(205, 150, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 150, 203) }
```

Border

The CSS property to change the border of an element to XYZ 46.8627, 39.1036, 61.5777 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(205, 150, 203) }
```


Background

The CSS property to change the background color of an element to XYZ 46.8627, 39.1036, 61.5777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 150, 203) }
```

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

```
.background{ background-color: rgb(205,  
150, 203) }
```

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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