

Converting Colors

XYZ(46.1468, 36.0752, 62.8133)

Have a look what the booklet for
XYZ(46.1468, 36.0752, 62.8133)
contains.

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Color

**XYZ(46.2415, 36.0431,
62.9123)**

Conversions

Conversions Part 1

Format	Color
Hex	D08ACE
RGB	208, 138, 206
RGB Percent	82%, 54%, 81%
CMY	0.1843, 0.4588, 0.1922
CMYK	0.00, 0.34, 0.01, 0.18
HSL	302°, 43%, 68%
HSV	302°, 34%, 82%
XYZ	46.2415, 36.0431, 62.9123
YIQ	166.6820, 19.8920, 35.9880

Conversions

Conversions Part 2

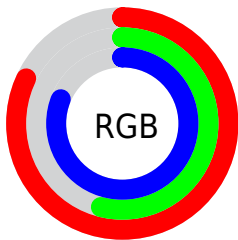
Format	Color
R _{YB}	208, 138, 206
Decimal	13667022
CIE Lab	66.55, 37.42, -24.25
CIE LCh	67, 44.587, 327.056
Yxy	36.0431, 0.3185, 0.2482
Android (android.graphics.Color)	4291857102 (0xFFD08ACE)
YUV	166.6820, 19.3838, 36.2359
Hunter-Lab	60.0359, 32.4234, -20.1055

Details

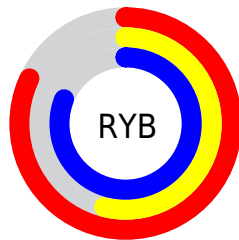
The XYZ color **46.2415, 36.0431, 62.9123** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.7723, 52.4097, 32.9383**, and the grayscale version is **36.4790, 38.3788, 41.7945**.

A 20% lighter version of the original color is **78.1396, 66.1793, 103.2632**, and **21.9442, 15.5980, 31.5599** is the 20% darker color. If you saturate the color by 10%, you get **43.4665, 30.6078, 61.6320**, and if you desaturate by 10%, it is **49.5905, 42.6245, 64.3860**.

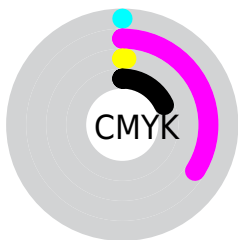
Distribution



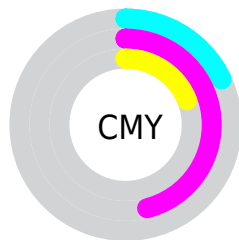
- Red (82%)
- Green (54%)
- Blue (81%)



- Red (82%)
- Yellow (54%)
- Blue (81%)



- Cyan (0%)
- Magenta (34%)
- Yellow (1%)
- Black (18%)



- Cyan (18%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2415, 36.0431, 62.9123 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 46.2415, 36.0431, 62.9123 by changing the saturation by 10% instead.

46.2415, 36.0431,
62.9123

46.2415, 36.0431,
62.9123

362.4784,
329.1489, 453.3503

32.6419, 24.4675,
45.3297

83.8060, 69.0986,
110.6273

22.0102, 15.6808,
31.3724

108.5015, 91.3472,
141.5969

13.9810, 9.2985,
20.6217

137.6264,
117.9224, 177.8658

8.1891, 4.9364,
12.6592

171.5460,
149.2084, 219.8527

4.2690, 2.2100,
7.0664

210.6256,
185.5896, 267.9760

1.8554, 0.7254,
3.4246

255.2306,

0.5507, 0.0000,

227.4505, 322.6544

1.3153

305.7265,
275.1755, 384.3063

■ 0.0000, 0.0000,
0.0743

■ 0.0000, 0.0000,
0.0000

■ 46.2415, 36.0431,
62.9123

■ 46.2415, 36.0431,
62.9123

■ 43.4665, 30.6078,
61.6320

■ 49.5905, 42.6245,
64.3860

■ 41.2294, 26.2485,
60.5320

■ 53.5402, 50.4077,
66.0610

■ 39.4952, 22.8947,
59.6009

■ 58.1197, 59.4500,
67.9472

■ 38.2236, 20.4655,
58.8254

■ 63.3554, 69.8042,
70.0535

■ 37.3678, 18.8675,
58.1898

■ 69.2719, 81.5197,
72.3882

■ 36.8715, 17.9880,
57.6754

■ 73.3519, 89.5617,
74.1120

■ 36.6802, 17.6770,
57.3908

■ 73.4259, 89.5913,
74.5018

■ 73.5002, 89.6211,
74.8931

■ 73.5748, 89.6509,
75.2858

Harmonies

Analogous

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



40.4559, 36.0431, 82.1053



46.2415, 36.0431, 62.9123



48.7955, 36.0431, 41.1694

Triad

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



46.2415, 36.0431, 62.9123



34.9235, 36.0431, 12.7333



24.0215, 36.0431, 58.5252

Complementary

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



46.2415, 36.0431, 62.9123



37.7723, 52.4097, 32.9383

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.



22.9391, 36.0431, 37.3812



46.2415, 36.0431, 62.9123



28.7276, 36.0431, 14.7105

Square

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



46.2415, 36.0431, 62.9123



41.7492, 36.0431, 15.7173



24.5472, 36.0431, 22.4109



27.7210, 36.0431, 79.0460

Rectangle

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



46.2415, 36.0431, 62.9123



48.1032, 36.0431, 29.3904



24.5472, 36.0431, 22.4109



23.3622, 36.0431, 51.0872

Sweetspot

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



46.2427, 36.0447, 62.9131



87.3307, 84.7489, 105.7491



31.1506, 28.2362, 63.4837



18.4782, 17.7170, 22.5459



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.



46.2427, 36.0447, 62.9131



70.2153, 51.0761, 98.3237



42.5327, 34.5607, 43.3766



12.2956, 12.0030, 14.8325



22.8672, 11.0197, 35.8026



1.2833, 0.6180, 2.0266

Inverse Universe

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



46.2427, 36.0447, 62.9131



70.2153, 51.0761, 98.3237



40.6948, 53.5787, 48.3281



12.2956, 12.0030, 14.8325



22.8672, 11.0197, 35.8026



1.2833, 0.6180, 2.0266

Previews

White Background



This preview shows how the XYZ color 46.2415, 36.0431, 62.9123 looks on a white background.

Color Contrast Check

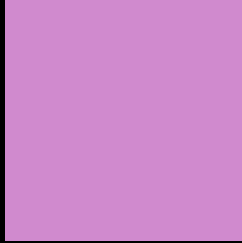
Large Text (above 18pt) WCAG AA × Fail

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 46.2415, 36.0431, 62.9123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

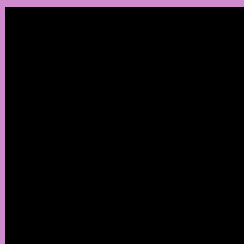
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2415, 36.0431, 62.9123

Background



This preview shows how black text looks on a background with the XYZ color 46.2415, 36.0431, 62.9123.



This preview shows how white text looks on a background with the XYZ color 46.2415, 36.0431,

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

46.2415, 36.0431, 62.9123

Protanopia

37.2572, 36.3448, 74.1588

Deuteranopia

37.1594, 36.3296, 60.9309



Tritanopia

41.0488, 35.9272, 37.5720

Trichromacy



Original Color

46.2415, 36.0431, 62.9123



Protanomaly

39.5593, 35.6298, 69.7580



Deuteranomaly

39.7506, 35.6751, 61.2908



Tritanomaly

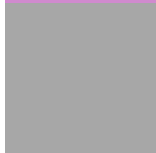
42.7116, 35.9185, 45.7561

Monochromacy



Original Color

46.2415, 36.0431, 62.9123



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

39.5204, 37.0582, 48.7861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2415, 36.0431, 62.9123 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(208, 138, 206)` looks like.

```
.text, #text, p{  
    color:rgb(208, 138, 206)  
}
```

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(208, 138, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 138, 206) }
```

Border

The CSS property to change the border of an element to XYZ 46.2415, 36.0431, 62.9123 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(208, 138, 206) }
```


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

```
.border{ border-color:rgb(208, 138, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 138, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 138, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 138, 206);  
box-shadow:4px 4px 4px 4px rgb(208, 138,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2415, 36.0431, 62.9123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 138, 206) }
```

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

```
.background{ background-color: rgb(208,  
138, 206) }
```

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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