

Converting Colors

XYZ(36.7724, 29.5416, 46.2190)

Have a look what the booklet for
XYZ(36.7724, 29.5416, 46.2190)
contains.

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Color

**XYZ(36.8421, 29.5118,
46.4024)**

Conversions

Conversions Part 1

Format	Color
Hex	BD80B3
RGB	189, 128, 179
RGB Percent	74%, 50%, 70%
CMY	0.2588, 0.4980, 0.2980
CMYK	0.00, 0.32, 0.05, 0.26
HSL	310°, 32%, 62%
HSV	310°, 32%, 74%
XYZ	36.8421, 29.5118, 46.4024
YIQ	152.0530, 19.9850, 28.7930

Conversions

Conversions Part 2

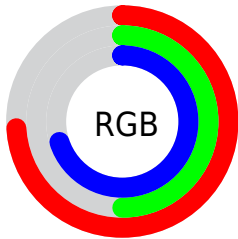
Format	Color
RYB	189, 128, 179
Decimal	12419251
CIELab	61.23, 31.67, -17.35
CIELCh	61, 36.113, 331.285
Yxy	29.5118, 0.3267, 0.2617
Android (android.graphics.Color)	4290609331 (0xFFBD80B3)
YUV	152.0530, 13.2849, 32.4025
Hunter-Lab	54.3248, 25.9872, -12.6162

Details

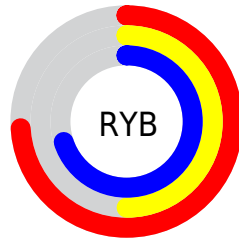
The XYZ color **36.8421, 29.5118, 46.4024** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.6883, 42.8203, 30.6415**, and the grayscale version is **29.8071, 31.3594, 34.1504**.

A 20% lighter version of the original color is **69.7294, 59.0469, 86.3193**, and **16.4820, 12.1060, 21.2067** is the 20% darker color. If you saturate the color by 10%, you get **34.2931, 24.9092, 44.0241**, and if you desaturate by 10%, it is **39.8592, 35.0382, 48.9721**.

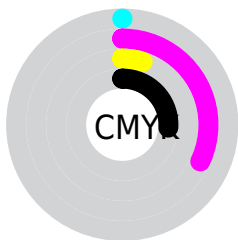
Distribution



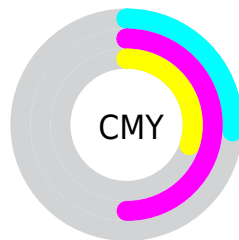
- Red (74%)
- Green (50%)
- Blue (70%)



- Red (74%)
- Yellow (50%)
- Blue (70%)



- Cyan (0%)
- Magenta (32%)
- Yellow (5%)
- Black (26%)





- Cyan (26%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8421, 29.5118, 46.4024 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 36.8421, 29.5118, 46.4024 by changing the saturation by 10% instead.


 36.8421, 29.5118,
46.4024


 36.8421, 29.5118,
46.4024

323.9938,
299.6222, 388.7486


 25.2584, 19.4683,
32.2125


 69.6453, 58.8893,
86.1615

 16.3994, 12.0092,
21.2577


 91.5954, 78.9920,
112.5678

 9.8999, 6.7499,
13.1194


 117.7318,
103.2167, 143.8834

 5.3944, 3.3062,
7.3792

148.4197,
131.9476, 180.5267

 2.5176, 1.2936,
3.6183

184.0245,
165.5693, 222.9164

 0.9041, 0.1362,
1.4184

224.9115,

 0.0000, 0.0000,

204.4660, 271.4709

0.1560

271.4462,
249.0221, 326.6087

■ 0.0000, 0.0000,
0.0000

■ 36.8421, 29.5118,
46.4024

■ 36.8421, 29.5118,
46.4024

■ 34.2931, 24.9092,
44.0241

■ 39.8592, 35.0382,
48.9721

■ 32.1837, 21.1753,
41.8266

■ 43.3651, 41.5315,
51.7394

■ 30.4870, 18.2553,
39.8009


■ 47.3829, 49.0371,
54.7125


■ 29.1713, 16.0866,
37.9363


■ 51.9331, 57.5960,
57.8985


■ 28.2009, 14.5974,
36.2206


■ 57.0353, 67.2473,
61.3042


 27.5328, 13.7019,
34.6393

 62.7079, 78.0280,
64.9358

 27.1594, 13.2881,
33.4879

 67.2528, 86.5415,
68.2275

 67.6204, 86.6885,
70.1631

 67.9953, 86.8385,
72.1376

Harmonies

Analogous

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



33.0627, 29.5118, 60.0547



36.8421, 29.5118, 46.4024



38.2022, 29.5118, 31.5507

Triad

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



36.8421, 29.5118, 46.4024



27.8459, 29.5118, 12.4420



20.9495, 29.5118, 47.7116

Complementary

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



36.8421, 29.5118, 46.4024



31.6883, 42.8203, 30.6415

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.



19.8776, 29.5118, 32.7231



36.8421, 29.5118, 46.4024



23.5716, 29.5118, 14.5689

Square

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



36.8421, 29.5118, 46.4024



32.6687, 29.5118, 14.2257



20.7815, 29.5118, 21.1378



23.8887, 29.5118, 60.9485

Rectangle

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



36.8421, 29.5118, 46.4024



37.4450, 29.5118, 23.5465



20.7815, 29.5118, 21.1378



20.3748, 29.5118, 42.5888

Sweetspot

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



36.8430, 29.5131, 46.4030



79.1090, 77.0692, 93.7584



27.2469, 24.4450, 51.4270



16.8047, 16.1872, 20.0055



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.8430, 29.5131, 46.4030



62.5494, 46.6408, 79.9428



34.1593, 28.4396, 32.2708



9.8610, 9.6687, 11.6568



18.2974, 8.9501, 22.6576



0.7349, 0.3579, 0.9834

Inverse Universe

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



36.8430, 29.5131, 46.4030



62.5494, 46.6408, 79.9428



34.1361, 43.7994, 43.5311



9.8610, 9.6687, 11.6568



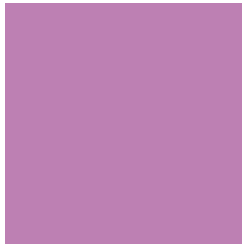
18.2974, 8.9501, 22.6576



0.7349, 0.3579, 0.9834

Previews

White Background



This preview shows how the XYZ color 36.8421, 29.5118, 46.4024 looks on a white background.

Color Contrast Check

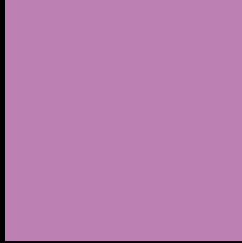
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8421, 29.5118, 46.4024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

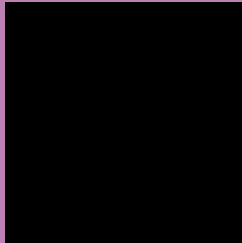
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8421, 29.5118, 46.4024

Background



This preview shows how black text looks on a background with the XYZ color 36.8421, 29.5118, 46.4024.



This preview shows how white text looks on a background with the XYZ color 36.8421, 29.5118,

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

36.8421, 29.5118, 46.4024

Protanopia

29.9467, 29.5978, 54.0038

Deuteranopia

30.3563, 29.7749, 45.2215



Tritanopia

33.7824, 29.6866, 30.7376

Trichromacy



Original Color

36.8421, 29.5118, 46.4024

Protanomaly

31.7198, 29.0217, 50.9436

Deuteranomaly

32.4783, 29.5321, 45.5834

Tritanomaly

34.5868, 29.3760, 35.7455

Monochromacy



Original Color

36.8421, 29.5118, 46.4024

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.8611, 30.2529, 38.3425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8421, 29.5118, 46.4024 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(189, 128, 179)` looks like.

```
.text, #text, p{  
    color:rgb(189, 128, 179)  
}
```

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(189, 128, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 128, 179) }
```

Border

The CSS property to change the border of an element to XYZ 36.8421, 29.5118, 46.4024 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(189, 128, 179) }
```


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

```
.border{ border-color:rgb(189, 128, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 128, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 128, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 128, 179);  
box-shadow:4px 4px 4px 4px rgb(189, 128,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8421, 29.5118, 46.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 128, 179) }
```

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

```
.background{ background-color: rgb(189,  
128, 179) }
```

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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