

Converting Colors

XYZ(36.5629, 29.8114, 47.0677)

Have a look what the booklet for
XYZ(36.5629, 29.8114, 47.0677)
contains.

XYZ(36.4706, 29.6997, 46.9904)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.4706, 29.6997,
46.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	BA82B4
RGB	186, 130, 180
RGB Percent	73%, 51%, 71%
CMY	0.2706, 0.4902, 0.2941
CMYK	0.00, 0.30, 0.03, 0.27
HSL	306°, 29%, 62%
HSV	306°, 30%, 73%
XYZ	36.4706, 29.6997, 46.9904
YIQ	152.4440, 17.3260, 27.4220

Conversions

Conversions Part 2

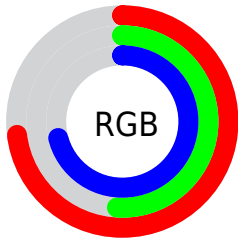
Format	Color
RYB	186, 130, 180
Decimal	12223156
CIELab	61.39, 29.74, -17.70
CIELCh	61, 34.607, 329.236
Yxy	29.6997, 0.3223, 0.2625
Android (android.graphics.Color)	4290413236 (0xFFBA82B4)
YUV	152.4440, 13.5851, 29.4286
Hunter-Lab	54.4974, 24.0847, -12.9746

Details

The XYZ color **36.4706, 29.6997, 46.9904** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.2101, 41.6422, 29.6872**, and the grayscale version is **29.9755, 31.5366, 34.3434**.

A 20% lighter version of the original color is **69.2430, 59.3918, 87.1711**, and **16.2151, 12.1752, 21.5741** is the 20% darker color. If you saturate the color by 10%, you get **34.0153, 25.1112, 45.1776**, and if you desaturate by 10%, it is **39.3779, 35.1864, 48.9689**.

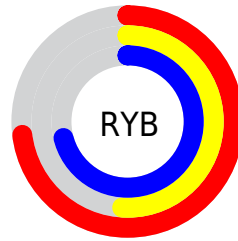
Distribution



Red (73%)

Green (51%)

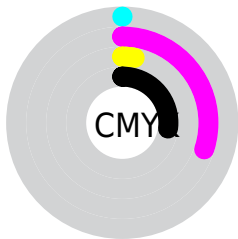
Blue (71%)



Red (73%)

Yellow (51%)

Blue (71%)

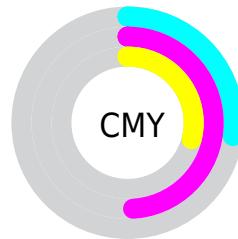


Cyan (0%)

Magenta (30%)

Yellow (3%)

Black (27%)



Cyan (27%)


Magenta (49%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4706, 29.6997, 46.9904 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 36.4706, 29.6997, 46.9904 by changing the saturation by 10% instead.


 36.4706, 29.6997,
46.9904


 36.4706, 29.6997,
46.9904

322.4083,
300.5022, 391.1689


 24.9697, 19.6108,
32.6738


 69.0769, 59.1869,
87.0491

 16.1831, 12.1124,
21.6076

 90.9131, 79.3540,
113.6283

 9.7455, 6.8203,
13.3733


 116.9249,
103.6493, 145.1321

 5.2915, 3.3500,
7.5524

147.4779,
132.4572, 181.9790

 2.4558, 1.3171,
3.7262

182.9374,
166.1620, 224.5876

 0.8730, 0.1544,
1.4764

223.6687,

 0.0000, 0.0000,

205.1482, 273.3764

0.2002

270.0372,
249.8001, 328.7640

■ 0.0000, 0.0000,
0.0000

■ 36.4706, 29.6997,
46.9904

■ 36.4706, 29.6997,
46.9904

■ 34.0153, 25.1112,
45.1776

■ 39.3779, 35.1864,
48.9689

■ 31.9851, 21.3688,
43.5206

■ 42.7566, 41.6119,
51.1187

■ 30.3545, 18.4209,
42.0110

■ 46.6286, 49.0192,
53.4474

■ 29.0942, 16.2090,
40.6391

■ 51.0135, 57.4474,
55.9617

■ 28.1707, 14.6662,
39.3937

■ 55.9296, 66.9336,
58.6677

■ 27.5447, 13.7138,
38.2615

■ 61.3947, 77.5127,
61.5714

■ 27.1393, 13.1950,
37.2264

■ 65.7423, 85.8522,
64.1173

■ 65.9677, 85.9423,
65.3040

■ 66.1960, 86.0337,
66.5065

Harmonies

Analogous

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



32.7405, 29.6997, 59.6369



36.4706, 29.6997, 46.9904



37.9559, 29.6997, 32.6747

Triad

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



36.4706, 29.6997, 46.9904



28.3460, 29.6997, 13.1400



21.2355, 29.6997, 46.2486

Complementary

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



36.4706, 29.6997, 46.9904



31.2101, 41.6422, 29.6872

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.



20.3239, 29.6997, 32.0035



36.4706, 29.6997, 46.9904



24.1516, 29.6997, 14.9765

Square

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



36.4706, 29.6997, 46.9904



32.9651, 29.6997, 15.1783



21.3326, 29.6997, 21.1000



23.9692, 29.6997, 59.1336

Rectangle

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



36.4706, 29.6997, 46.9904



37.3625, 29.6997, 24.7368



21.3326, 29.6997, 21.1000



20.7198, 29.6997, 41.3556

Sweetspot

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



36.4715, 29.7010, 46.9910



78.1300, 76.6293, 93.0439



26.9354, 24.7128, 49.8055



16.9932, 16.4699, 20.3588



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.



36.4715, 29.7010, 46.9910



63.1262, 48.2553, 83.0065



33.9338, 28.6859, 33.6276



9.3383, 9.1457, 11.1291



18.2749, 8.8837, 25.1323



0.6562, 0.3180, 0.9490

Inverse Universe

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



36.4715, 29.7010, 46.9910



63.1262, 48.2553, 83.0065



33.4308, 42.5305, 41.3813



9.3383, 9.1457, 11.1291



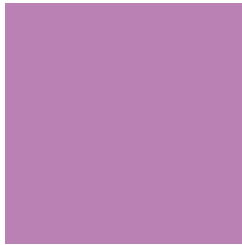
18.2749, 8.8837, 25.1323



0.6562, 0.3180, 0.9490

Previews

White Background



This preview shows how the XYZ color 36.4706, 29.6997, 46.9904 looks on a white background.

Color Contrast Check

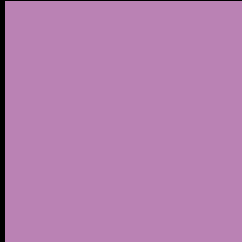
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4706, 29.6997, 46.9904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

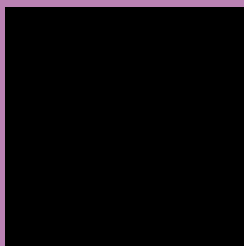
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.4706, 29.6997, 46.9904

Background



This preview shows how black text looks on a background with the XYZ color 36.4706, 29.6997, 46.9904.



This preview shows how white text looks on a background with the XYZ color 36.4706, 29.6997,

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

36.4706, 29.6997, 46.9904

Protanopia

30.2647, 29.9916, 54.0630

Deuteranopia

30.4556, 29.8147, 45.7446



Tritanopia

33.3620, 29.6600, 31.5703

Trichromacy



Original Color

36.4706, 29.6997, 46.9904

Protanomaly

32.1195, 29.6492, 51.6069

Deuteranomaly

32.3143, 29.6519, 46.1397

Tritanomaly

34.3115, 29.6207, 36.7098

Monochromacy



Original Color

36.4706, 29.6997, 46.9904

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.8047, 30.4477, 38.3831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4706, 29.6997, 46.9904 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(186, 130, 180)` looks like.

```
.text, #text, p{  
    color:rgb(186, 130, 180)  
}
```

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(186, 130, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 130, 180) }
```

Border

The CSS property to change the border of an element to XYZ 36.4706, 29.6997, 46.9904 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(186, 130, 180) }
```


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

```
.border{ border-color:rgb(186, 130, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 130, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 130, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 130, 180);  
box-shadow:4px 4px 4px 4px rgb(186, 130,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4706, 29.6997, 46.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 130, 180) }
```

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

```
.background{ background-color: rgb(186,  
130, 180) }
```

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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