

Converting Colors

XYZ(36.7288, 28.4500, 48.0083)

Have a look what the booklet for
XYZ(36.7288, 28.4500, 48.0083)
contains.

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Color

**XYZ(36.7617, 28.4905,
47.8176)**

Conversions

Conversions Part 1

Format	Color
Hex	BE7BB6
RGB	190, 123, 182
RGB Percent	75%, 48%, 71%
CMY	0.2549, 0.5176, 0.2863
CMYK	0.00, 0.35, 0.04, 0.25
HSL	307°, 34%, 61%
HSV	307°, 35%, 75%
XYZ	36.7617, 28.4905, 47.8176
YIQ	149.7590, 20.9930, 32.5530

Conversions

Conversions Part 2

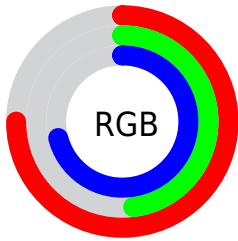
Format	Color
R_{YB}	190, 123, 182
Decimal	12483510
CIE _{Lab}	60.33, 35.29, -20.42
CIE _{LCh}	60, 40.773, 329.946
Yxy	28.4905, 0.3251, 0.2520
Android (android.graphics.Color)	4290673590 (0xFFBE7BB6)
YUV	149.7590, 15.8948, 35.2914
Hunter-Lab	53.3765, 29.5285, -15.7517

Details

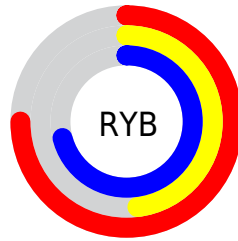
The XYZ color **36.7617, 28.4905, 47.8176** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.6798, 42.6776, 28.0951**, and the grayscale version is **28.8168, 30.3175, 33.0157**.

A 20% lighter version of the original color is **69.5125, 57.3915, 88.3029**, and **16.2715, 11.3706, 22.1060** is the 20% darker color. If you saturate the color by 10%, you get **34.3972, 24.1332, 45.8821**, and if you desaturate by 10%, it is **39.5892, 33.7667, 49.9268**.

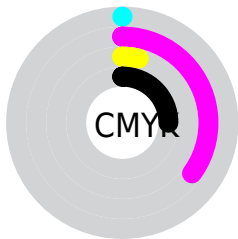
Distribution



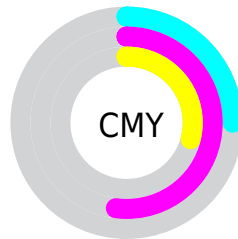
- Red (75%)
- Green (48%)
- Blue (71%)



- Red (75%)
- Yellow (48%)
- Blue (71%)



- Cyan (0%)
- Magenta (35%)
- Yellow (4%)
- Black (25%)




- Cyan (25%)
- Magenta (52%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7617, 28.4905, 47.8176 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 36.7617, 28.4905, 47.8176 by changing the saturation by 10% instead.


 36.7617, 28.4905,
47.8176

 36.7617, 28.4905,
47.8176

323.6511,
294.8033, 394.5565


 25.1959, 18.6957,
33.3235


 69.5223, 57.2666,
88.2955

 16.3526, 11.4506,
22.1012


 91.4479, 77.0167,
115.1164

 9.8664, 6.3708,
13.7323


 117.5573,
100.8541, 146.8832

 5.3721, 3.0718,
7.7981

148.2161,
129.1631, 184.0146

 2.5042, 1.1694,
3.8801

183.7895,
162.3281, 226.9291

 0.8974, 0.0365,
1.5598

224.6429,

 0.0000, 0.0000,

200.7336, 276.0452

0.2619

271.1417,
244.7639, 331.7815

■ 0.0000, 0.0000,
0.0000

■ 36.7617, 28.4905,
47.8176

■ 36.7617, 28.4905,
47.8176

■ 34.3972, 24.1332,
45.8821

■ 39.5892, 33.7667,
49.9268

■ 32.4664, 20.6378,
44.1096

■ 42.9015, 40.0068,
52.2161

■ 30.9409, 17.9470,
42.4907

■ 46.7222, 47.2576,
54.6937


■ 29.7877, 15.9949,
41.0144


■ 51.0725, 55.5614,
57.3669


■ 28.9688, 14.7052,
39.6679


■ 55.9725, 64.9585,
60.2425


 28.4372, 13.9844,
38.4356

 61.4412, 75.4867,
63.3268

 28.2394, 13.7489,
37.8760

 67.1751, 86.5391,
66.5187

 67.4386, 86.6446,
67.9066

 67.7061, 86.7516,
69.3151

Harmonies

Analogous

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



32.4224, 28.4905, 63.3122



36.7617, 28.4905, 47.8176



38.4463, 28.4905, 31.0483

Triad

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



36.7617, 28.4905, 47.8176



27.0888, 28.4905, 10.1987



19.2590, 28.4905, 47.7553

Complementary

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



36.7617, 28.4905, 47.8176



30.6798, 42.6776, 28.0951

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.



18.2078, 28.4905, 30.9944



36.7617, 28.4905, 47.8176



22.3582, 28.4905, 12.1445

Square

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



36.7617, 28.4905, 47.8176



32.4408, 28.4905, 12.1589



19.2665, 28.4905, 18.7060



22.3438, 28.4905, 63.2689

Rectangle

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



36.7617, 28.4905, 47.8176



37.6884, 28.4905, 22.1881



19.2665, 28.4905, 18.7060



18.6753, 28.4905, 41.9337

Sweetspot

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



36.7626, 28.4918, 47.8182



80.4561, 77.6363, 96.4131



25.7103, 22.6958, 51.7416



17.4633, 16.6613, 21.0378



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



36.7626, 28.4918, 47.8182



63.3608, 45.6170, 84.0204



33.7189, 27.2743, 31.7900



9.8796, 9.6761, 11.7548



18.7965, 9.1498, 25.2859



0.7503, 0.3640, 1.0643

Inverse Universe

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



36.7626, 28.4918, 47.8182



63.3608, 45.6170, 84.0204



33.3125, 43.7306, 41.9584



9.8796, 9.6761, 11.7548



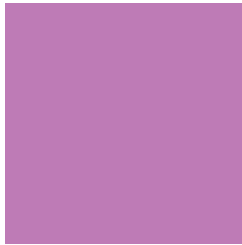
18.7965, 9.1498, 25.2859



0.7503, 0.3640, 1.0643

Previews

White Background



This preview shows how the XYZ color 36.7617, 28.4905, 47.8176 looks on a white background.

Color Contrast Check

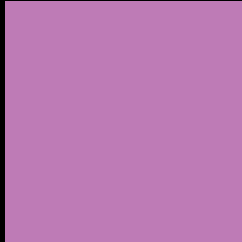
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7617, 28.4905, 47.8176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

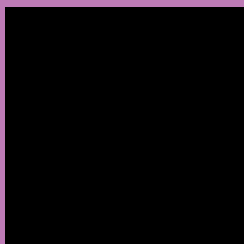
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.7617, 28.4905, 47.8176

Background



This preview shows how black text looks on a background with the XYZ color 36.7617, 28.4905, 47.8176.



This preview shows how white text looks on a background with the XYZ color 36.7617, 28.4905,

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

36.7617, 28.4905, 47.8176

Protanopia

29.2572, 28.7236, 56.8255

Deuteranopia

29.3599, 28.7886, 46.1288



Tritanopia

32.9316, 28.4700, 28.9589

Trichromacy



Original Color

36.7617, 28.4905, 47.8176

Protanomaly

31.2675, 28.0895, 53.6430

Deuteranomaly

31.6388, 28.4401, 46.4698

Tritanomaly

34.2134, 28.4034, 35.1317

Monochromacy



Original Color

36.7617, 28.4905, 47.8176

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.4167, 29.3641, 38.1944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7617, 28.4905, 47.8176 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(190, 123, 182)` looks like.

```
.text, #text, p{  
    color:rgb(190, 123, 182)  
}
```

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(190, 123, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 123, 182) }
```

Border

The CSS property to change the border of an element to XYZ 36.7617, 28.4905, 47.8176 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(190, 123, 182) }
```


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

```
.border{ border-color:rgb(190, 123, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 123, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 123, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 123, 182); box-shadow:4px 4px 4px 4px rgb(190, 123, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7617, 28.4905, 47.8176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 123, 182) }
```

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

```
.background{ background-color: rgb(190,  
123, 182) }
```

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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