

Converting Colors

XYZ(37.9817, 30.8300, 50.1066)

Have a look what the booklet for
XYZ(37.9817, 30.8300, 50.1066)
contains.

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Color

**XYZ(37.9945, 30.8241,
49.8461)**

Conversions

Conversions Part 1

Format	Color
Hex	BD84B9
RGB	189, 132, 185
RGB Percent	74%, 52%, 73%
CMY	0.2588, 0.4823, 0.2745
CMYK	0.00, 0.30, 0.02, 0.26
HSL	304°, 30%, 63%
HSV	304°, 30%, 74%
XYZ	37.9945, 30.8241, 49.8461
YIQ	155.0850, 16.9590, 28.5670

Conversions

Conversions Part 2

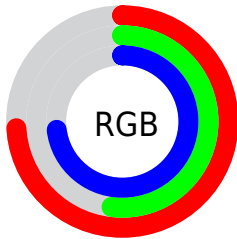
Format	Color
R_{YB}	189, 132, 185
Decimal	12420281
CIE _{Lab}	62.36, 30.57, -19.04
CIE _{LCh}	62, 36.015, 328.084
Yxy	30.8241, 0.3202, 0.2598
Android (android.graphics.Color)	4290610361 (0xFFBD84B9)
YUV	155.0850, 14.7481, 29.7435
Hunter-Lab	55.5195, 24.9967, -14.3677

Details

The XYZ color **37.9945, 30.8241, 49.8461** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.1585, 43.0793, 29.9145**, and the grayscale version is **31.1257, 32.7466, 35.6611**.

A 20% lighter version of the original color is **71.4421, 61.0615, 91.2397**, and **17.0990, 12.7017, 23.3803** is the 20% darker color. If you saturate the color by 10%, you get **35.5209, 26.0995, 48.3342**, and if you desaturate by 10%, it is **40.9356, 36.4805, 51.5210**.

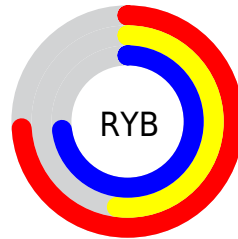
Distribution



Red (74%)

Green (52%)

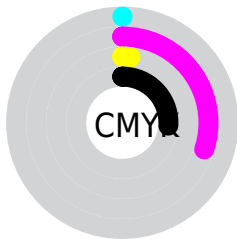
Blue (73%)



Red (74%)

Yellow (52%)

Blue (73%)

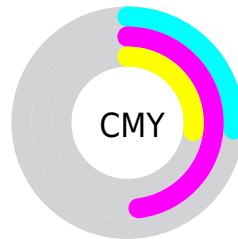


Cyan (0%)

Magenta (30%)

Yellow (2%)

Black (26%)



Cyan (26%)

Magenta (48%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9945, 30.8241, 49.8461 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 37.9945, 30.8241, 49.8461 by changing the saturation by 10% instead.

37.9945, 30.8241,
49.8461

37.9945, 30.8241,
49.8461

328.8776,
305.7271, 402.7816

26.1556, 20.4649,
34.9208

71.4037, 60.9630,
91.3408

17.0734, 12.7335,
23.3188

93.7046, 81.5116,
118.7472

10.3825, 7.2453,
14.6216

120.2237,
106.2254, 151.1511

5.7175, 3.6160,
8.4106

151.3262,
135.4889, 188.9711

2.7131, 1.4611,
4.2673

187.3775,
169.6864, 232.6255

1.0039, 0.2611,
1.7731

228.7429,

0.0000, 0.0000,

209.2023, 282.5331

0.4101

275.7879,
254.4211, 339.1123

■ 0.0000, 0.0000,
0.0000

■ 37.9945, 30.8241,
49.8461

■ 37.9945, 30.8241,
49.8461

■ 35.5209, 26.0995,
48.3342

■ 40.9356, 36.4805,
51.5210

■ 33.4869, 22.2525,
46.9749

■ 44.3645, 43.1111,
53.3646

■ 31.8660, 19.2295,
45.7597

■ 48.3039, 50.7605,
55.3849

■ 30.6276, 16.9695,
44.6783

■ 52.7741, 59.4693,
57.5885

■ 29.7368, 15.4028,
43.7193

■ 57.7943, 69.2762,
59.9821

■ 29.1528, 14.4474,
42.8689

■ 63.3828, 80.2176,
62.5716

■ 28.7970, 13.9431,
42.1110

■ 66.5164, 86.2469,
64.3494

■ 66.6664, 86.3069,
65.1392

■ 66.8177, 86.3674,
65.9360

Harmonies

Analogous

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



33.9347, 30.8241, 63.2491



37.9945, 30.8241, 49.8461



39.6980, 30.8241, 34.4675

Triad

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



37.9945, 30.8241, 49.8461



29.6118, 30.8241, 13.2487



21.7823, 30.8241, 47.8504

Complementary

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



37.9945, 30.8241, 49.8461



32.1585, 43.0793, 29.9145

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.



20.8933, 30.8241, 32.6729



37.9945, 30.8241, 49.8461



25.1030, 30.8241, 15.0144

Square

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



37.9945, 30.8241, 49.8461



34.5367, 30.8241, 15.5453



22.0404, 30.8241, 21.2780



24.6167, 30.8241, 61.8900

Rectangle

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



37.9945, 30.8241, 49.8461



39.1401, 30.8241, 25.9007



22.0404, 30.8241, 21.2780



21.2608, 30.8241, 42.6027

Sweetspot

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



37.9955, 30.8255, 49.8468



80.1282, 78.5144, 95.9266



27.5588, 25.3957, 51.5942



17.0238, 16.4821, 20.5199



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.



37.9955, 30.8255, 49.8468



65.1111, 49.5889, 87.5031



35.2989, 29.7468, 35.6467



9.9003, 9.6844, 11.8638



19.3870, 9.3859, 28.3951



0.7682, 0.3712, 1.1584

Inverse Universe

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



37.9955, 30.8255, 49.8468



65.1111, 49.5889, 87.5031



34.4424, 43.9929, 41.9415



9.9003, 9.6844, 11.8638



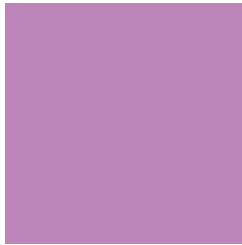
19.3870, 9.3859, 28.3951



0.7682, 0.3712, 1.1584

Previews

White Background



This preview shows how the XYZ color 37.9945, 30.8241, 49.8461 looks on a white background.

Color Contrast Check

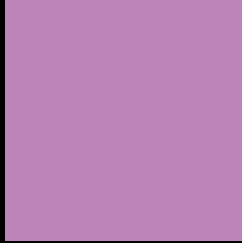
Large Text (above 18pt) WCAG AA × Fail

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 37.9945, 30.8241, 49.8461 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 37.9945, 30.8241, 49.8461

Background



This preview shows how black text looks on a background with the XYZ color 37.9945, 30.8241, 49.8461.



This preview shows how white text looks on a background with the XYZ color 37.9945, 30.8241,

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

37.9945, 30.8241, 49.8461

Protanopia

31.3067, 30.9294, 57.1432

Deuteranopia

31.6111, 31.0412, 48.5814



Tritanopia

34.4246, 30.8255, 32.5693

Trichromacy



Original Color

37.9945, 30.8241, 49.8461

Protanomaly

33.3527, 30.6633, 54.6128

Deuteranomaly

33.5301, 30.6574, 48.9500

Tritanomaly

35.5754, 30.6561, 38.2246

Monochromacy



Original Color

37.9945, 30.8241, 49.8461

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.2530, 31.8361, 40.4688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9945, 30.8241, 49.8461 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, 132, 185)` looks like.

```
.text, #text, p{  
    color:rgb(189, 132, 185)  
}
```

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, 132, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 132, 185) }
```

Border

The CSS property to change the border of an element to XYZ 37.9945, 30.8241, 49.8461 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, 132, 185) }
```


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

```
.border{ border-color:rgb(189, 132, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 132, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 132, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 132, 185);  
box-shadow:4px 4px 4px 4px rgb(189, 132,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9945, 30.8241, 49.8461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 132, 185) }
```

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

```
.background{ background-color: rgb(189,  
132, 185) }
```

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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