

Converting Colors

XYZ(37.5844, 29.7419, 53.6607)

Have a look what the booklet for
XYZ(37.5844, 29.7419, 53.6607)
contains.

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Color

**XYZ(37.4833, 29.6832,
53.6230)**

Conversions

Conversions Part 1

Format	Color
Hex	BA80C0
RGB	186, 128, 192
RGB Percent	73%, 50%, 75%
CMY	0.2706, 0.4980, 0.2471
CMYK	0.03, 0.33, 0.00, 0.25
HSL	294°, 34%, 63%
HSV	294°, 33%, 75%
XYZ	37.4833, 29.6832, 53.6230
YIQ	152.6380, 14.0240, 32.2000

Conversions

Conversions Part 2

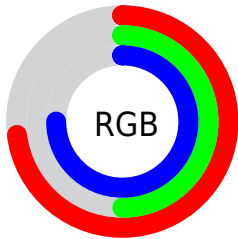
Format	Color
R _{YB}	186, 128, 192
Decimal	12222656
CIE _{Lab}	61.38, 33.13, -24.53
CIE _{LCh}	61, 41.222, 323.488
Y _{xy}	29.6832, 0.3103, 0.2457
Android (android.graphics.Color)	4290412736 (0xFFBA80C0)
YUV	152.6380, 19.4055, 29.2585
Hunter-Lab	54.4823, 27.4623, -20.2173

Details

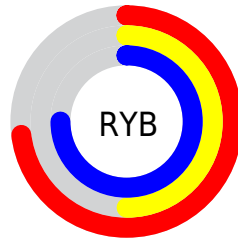
The XYZ color **37.4833, 29.6832, 53.6230** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.5784, 44.3268, 27.2623**, and the grayscale version is **30.0361, 31.6003, 34.4127**.

A 20% lighter version of the original color is **70.7890, 59.3501, 97.3473**, and **16.7570, 12.0483, 25.4871** is the 20% darker color. If you saturate the color by 10%, you get **34.7777, 24.9166, 52.8460**, and if you desaturate by 10%, it is **40.6701, 35.4029, 54.5595**.

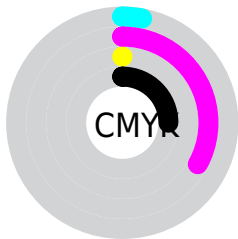
Distribution



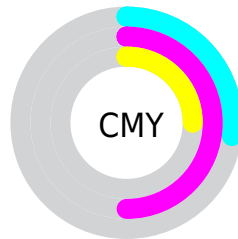
- Red (73%)
- Green (50%)
- Blue (75%)



- Red (73%)
- Yellow (50%)
- Blue (75%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)




- Cyan (27%)
- Magenta (50%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4833, 29.6832, 53.6230 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 37.4833, 29.6832, 53.6230 by changing the saturation by 10% instead.


 37.4833, 29.6832,
53.6230


 37.4833, 29.6832,
53.6230


326.7176,
300.4250, 417.8047


 25.7573, 19.5983,
37.9092


 70.6245, 59.1608,
96.9713

 16.7739, 12.1034,
25.6110


 92.7704, 79.3223,
125.4429

 10.1677, 6.8141,
16.3097


 119.1203,
103.6114, 159.0042

 5.5734, 3.3461,
9.5868

150.0396,
132.4125, 198.0736

 2.6256, 1.3150,
5.0239

185.8936,
166.1100, 243.0699

 0.9590, 0.1528,
2.2023

227.0477,

 0.0000, 0.0000,

205.0883, 294.4115

0.6757

273.8672,
249.7318, 352.5169

■ 0.0000, 0.0000,
0.0000

■ 37.4833, 29.6832,
53.6230

■ 37.4833, 29.6832,
53.6230

■ 34.7777, 24.9166,
52.8460

■ 40.6701, 35.4029,
54.5595

■ 32.5238, 21.0456,
52.2176

■ 44.3600, 42.1213,
55.6618

■ 30.6928, 18.0125,
51.7287

■ 48.5770, 49.8855,
56.9382

■ 29.2519, 15.7514,
51.3682

■ 53.3427, 58.7388,
58.3959

■ 28.1630, 14.1864,
51.1235

■ 58.6773, 68.7217,
60.0416

■ 27.3805, 13.2260,
50.9794

■ 64.6001, 79.8729,
61.8818

■ 26.9705, 12.8047,
50.9196

■ 68.7219, 87.4134,
63.1200

■ 69.2010, 87.6604,
63.1425

■ 69.6859, 87.9103,
63.1651

Harmonies

Analogous

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



32.5908, 29.6832, 68.3180



37.4833, 29.6832, 53.6230



39.9346, 29.6832, 35.8383

Triad

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



37.4833, 29.6832, 53.6230



29.4161, 29.6832, 10.7572



19.6654, 29.6832, 45.7906

Complementary

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



37.4833, 29.6832, 53.6230



32.5784, 44.3268, 27.2623

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.



19.0438, 29.6832, 29.0398



37.4833, 29.6832, 53.6230



24.2459, 29.6832, 11.8943

Square

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



37.4833, 29.6832, 53.6230



34.9060, 29.6832, 13.7260



20.6130, 29.6832, 17.5709



22.4354, 29.6832, 62.8729

Rectangle

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



37.4833, 29.6832, 53.6230



39.6566, 29.6832, 25.8241



20.6130, 29.6832, 17.5709



19.2144, 29.6832, 39.8229

Sweetspot

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



37.4843, 29.6845, 53.6236



82.6952, 80.5733, 101.5540



26.9982, 25.5573, 53.3797



17.5161, 16.8730, 21.7189



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.



37.4843, 29.6845, 53.6236



64.2516, 47.3075, 96.1051



36.3780, 29.4139, 40.0302



10.4012, 10.1980, 12.7050



18.1835, 8.6344, 34.2648



0.8133, 0.3873, 1.4818

Inverse Universe

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



33.7614, 28.3673, 26.2515



56.5703, 44.6131, 38.5720



33.5522, 44.6090, 37.2407



10.1107, 10.0929, 10.6735



14.7142, 7.5754, 1.1409



0.6490, 0.3326, 0.1192

Previews

White Background



This preview shows how the XYZ color 37.4833, 29.6832, 53.6230 looks on a white background.

Color Contrast Check

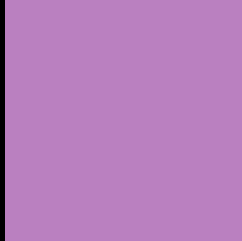
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4833, 29.6832, 53.6230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

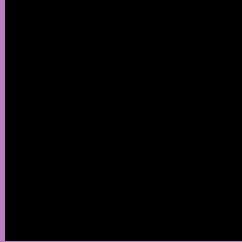
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4833, 29.6832, 53.6230

Background



This preview shows how black text looks on a background with the XYZ color 37.4833, 29.6832, 53.6230.



This preview shows how white text looks on a background with the XYZ color 37.4833, 29.6832,

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

37.4833, 29.6832, 53.6230

Protanopia

30.7795, 29.8393, 62.5298

Deuteranopia

30.6195, 29.9827, 52.3175



Tritanopia

33.0345, 29.7012, 31.5956

Trichromacy



Original Color

37.4833, 29.6832, 53.6230

Protanomaly

32.5377, 29.2616, 59.1915

Deuteranomaly

32.6274, 29.4520, 52.6804

Tritanomaly

34.4274, 29.6396, 38.5568

Monochromacy



Original Color

37.4833, 29.6832, 53.6230

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.4654, 30.7359, 40.7807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4833, 29.6832, 53.6230 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, 128, 192)` looks like.

```
.text, #text, p{  
    color:rgb(186, 128, 192)  
}
```

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, 128, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 128, 192) }
```

Border

The CSS property to change the border of an element to XYZ 37.4833, 29.6832, 53.6230 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, 128, 192) }
```


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

```
.border{ border-color:rgb(186, 128, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 128, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 128, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 128, 192);  
box-shadow:4px 4px 4px 4px rgb(186, 128,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4833, 29.6832, 53.6230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 128, 192) }
```

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

```
.background{ background-color: rgb(186,  
128, 192) }
```

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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