

Converting Colors

XYZ(37.1483, 29.6399, 58.6298)

Have a look what the booklet for
XYZ(37.1483, 29.6399, 58.6298)
contains.

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Color

**XYZ(37.0980, 29.5739,
58.3966)**

Conversions

Conversions Part 1

Format	Color
Hex	B481C8
RGB	180, 129, 200
RGB Percent	71%, 51%, 78%
CMY	0.2941, 0.4941, 0.2157
CMYK	0.10, 0.35, 0.00, 0.22
HSL	283°, 39%, 65%
HSV	283°, 35%, 78%
XYZ	37.0980, 29.5739, 58.3966
YIQ	152.3430, 7.6050, 32.8930

Conversions

Conversions Part 2

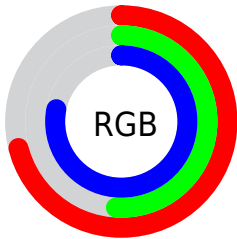
Format	Color
R_{YB}	180, 129, 200
Decimal	11829704
CIE _{Lab}	61.28, 32.28, -29.24
CIE _{LCh}	61, 43.558, 317.824
Yxy	29.5739, 0.2966, 0.2365
Android (android.graphics.Color)	4290019784 (0xFFB481C8)
YUV	152.3430, 23.4949, 24.2552
Hunter-Lab	54.3819, 26.6000, -25.5997

Details

The XYZ color **37.0980, 29.5739, 58.3966** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.0120, 49.2837, 28.3321**, and the grayscale version is **29.8933, 31.4501, 34.2491**.

A 20% lighter version of the original color is **69.9085, 59.0915, 102.3290**, and **16.5885, 12.1029, 28.6559** is the 20% darker color. If you saturate the color by 10%, you get **33.4322, 24.1492, 57.5432**, and if you desaturate by 10%, it is **41.3347, 36.0597, 59.4256**.

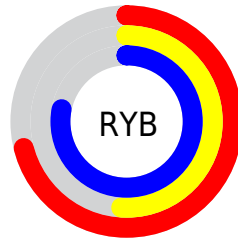
Distribution



Red (71%)

Green (51%)

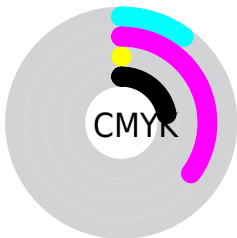
Blue (78%)



Red (71%)

Yellow (51%)

Blue (78%)

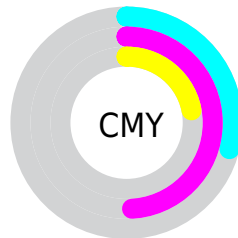


Cyan (10%)

Magenta (35%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (49%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0980, 29.5739, 58.3966 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 37.0980, 29.5739, 58.3966 by changing the saturation by 10% instead.

37.0980, 29.5739,
58.3966

37.0980, 29.5739,
58.3966

325.0828,
299.9132, 436.3016

25.4574, 19.5154,
41.7108

70.0363, 58.9877,
104.0207

16.5487, 12.0433,
28.5510

92.0648, 79.1117,
133.7960

10.0066, 6.7732,
18.4988

118.2866,
103.3597, 168.7715

5.4656, 3.3206,
11.1355

149.0670,
132.1161, 209.3658

2.5605, 1.3013,
6.0428

184.7715,
165.7653, 255.9974

0.9259, 0.1422,
2.8019

225.7654,

0.0000, 0.0000,

204.6916, 309.0849

0.9944

272.4140,
249.2794, 369.0468

■ 0.0000, 0.0000,
0.0000

■ 37.0980, 29.5739,
58.3966

■ 37.0980, 29.5739,
58.3966

■ 33.4322, 24.1492,
57.5432

■ 41.3347, 36.0597,
59.4256

■ 30.3034, 19.7212,
56.8534

■ 46.1677, 43.6588,
60.6377

■ 27.6787, 16.2240,
56.3167

■ 51.6244, 52.4242,
62.0420

■ 25.5198, 13.5823,
55.9206

■ 57.7294, 62.4045,
63.6466

■ 23.7826, 11.7084,
55.6505

■ 64.5062, 73.6456,
65.4592

■ 22.4128, 10.4949,
55.4884

■ 71.9767, 86.1907,
67.4869

■ 21.8684, 10.0692,
55.4350

■ 75.5307, 90.8182,
68.1928

■ 77.2590, 91.7092,
68.2737

■ 79.0453, 92.6301,
68.3573

Harmonies

Analogous

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



31.6212, 29.5739, 72.5895



37.0980, 29.5739, 58.3966



40.3237, 29.5739, 39.3308

Triad

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



37.0980, 29.5739, 58.3966



30.4994, 29.5739, 10.1457



18.8645, 29.5739, 42.8666

Complementary

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



37.0980, 29.5739, 58.3966



37.0120, 49.2837, 28.3321

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.



18.6498, 29.5739, 25.9894



37.0980, 29.5739, 58.3966



24.8672, 29.5739, 10.5233

Square

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



37.0980, 29.5739, 58.3966



36.1811, 29.5739, 14.0100



20.7039, 29.5739, 15.3119



21.3369, 29.5739, 61.7307

Rectangle

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



37.0980, 29.5739, 58.3966



40.5089, 29.5739, 28.0904



20.7039, 29.5739, 15.3119



18.5394, 29.5739, 36.6941

Sweetspot

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



37.0990, 29.5752, 58.3972



83.8980, 81.9229, 105.9985



30.2456, 30.3703, 58.9119



17.6839, 17.0964, 22.6178



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.0990, 29.5752, 58.3972



59.0046, 43.4434, 99.8833



40.3870, 31.4676, 49.6330



10.7807, 10.6607, 13.4070



13.9958, 6.4493, 35.2515



0.7308, 0.3405, 1.6723

Inverse Universe

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



37.0953, 30.1509, 32.2993



59.2789, 44.7619, 46.7127



34.7719, 48.0017, 33.9732



10.7546, 10.6852, 11.6912



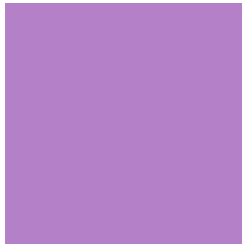
15.6378, 8.0047, 3.3026



0.7722, 0.3917, 0.3237

Previews

White Background



This preview shows how the XYZ color 37.0980, 29.5739, 58.3966 looks on a white background.

Color Contrast Check

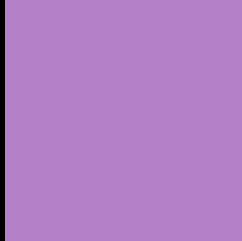
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0980, 29.5739, 58.3966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

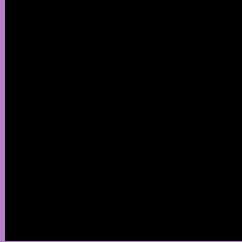
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0980, 29.5739, 58.3966

Background



This preview shows how black text looks on a background with the XYZ color 37.0980, 29.5739, 58.3966.



This preview shows how white text looks on a background with the XYZ color 37.0980, 29.5739,

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

37.0980, 29.5739, 58.3966

Protanopia

31.0415, 29.8739, 67.0810

Deuteranopia

30.5103, 29.8232, 56.9717



Tritanopia

31.9712, 29.5515, 32.8731

Trichromacy



Original Color

37.0980, 29.5739, 58.3966

Protanomaly

32.6173, 29.4212, 63.6343

Deuteranomaly

32.5200, 29.5088, 57.4079

Tritanomaly

33.6364, 29.3852, 40.9449

Monochromacy



Original Color

37.0980, 29.5739, 58.3966

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.0350, 30.4925, 41.7333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0980, 29.5739, 58.3966 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(180, 129, 200)` looks like.

```
.text, #text, p{  
    color:rgb(180, 129, 200)  
}
```

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(180, 129, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 129, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.0980, 29.5739, 58.3966 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(180, 129, 200) }
```


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

```
.border{ border-color:rgb(180, 129, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 129, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 129, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 129, 200);  
box-shadow:4px 4px 4px 4px rgb(180, 129,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0980, 29.5739, 58.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 129, 200) }
```

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

```
.background{ background-color: rgb(180,  
129, 200) }
```

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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