

Converting Colors

XYZ(39.2697, 30.3837, 59.3342)

Have a look what the booklet for
XYZ(39.2697, 30.3837, 59.3342)
contains.

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Color

**XYZ(39.2481, 30.4742,
59.0719)**

Conversions

Conversions Part 1

Format	Color
Hex	BD80C9
RGB	189, 128, 201
RGB Percent	74%, 50%, 79%
CMY	0.2588, 0.4980, 0.2118
CMYK	0.06, 0.36, 0.00, 0.21
HSL	290°, 40%, 65%
HSV	290°, 36%, 79%
XYZ	39.2481, 30.4742, 59.0719
YIQ	154.5610, 12.9230, 35.6350

Conversions

Conversions Part 2

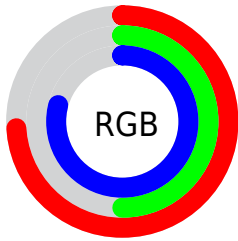
Format	Color
RYB	189, 128, 201
Decimal	12419273
CIELab	62.06, 35.86, -28.53
CIELCh	62, 45.826, 321.495
Yxy	30.4742, 0.3047, 0.2366
Android (android.graphics.Color)	4290609353 (0xFFBD80C9)
YUV	154.5610, 22.8944, 30.2030
Hunter-Lab	55.2034, 30.3025, -24.8024

Details

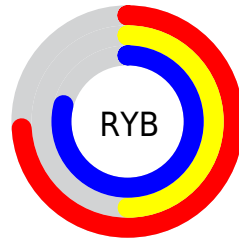
The XYZ color **39.2481, 30.4742, 59.0719** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.5991, 48.9080, 27.9874**, and the grayscale version is **30.8610, 32.4682, 35.3579**.

A 20% lighter version of the original color is **72.7840, 60.2687, 102.4046**, and **17.7519, 12.4827, 29.0775** is the 20% darker color. If you saturate the color by 10%, you get **36.0715, 25.3232, 58.2455**, and if you desaturate by 10%, it is **42.9647, 36.6760, 60.0735**.

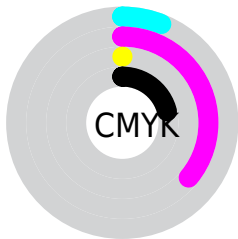
Distribution



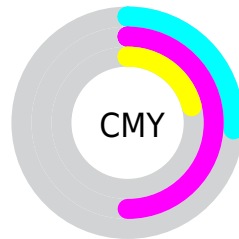
- Red (74%)
- Green (50%)
- Blue (79%)



- Red (74%)
- Yellow (50%)
- Blue (79%)



- Cyan (6%)
- Magenta (36%)
- Yellow (0%)
- Black (21%)



- Cyan (26%)
- Magenta (50%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2481, 30.4742, 59.0719 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 39.2481, 30.4742, 59.0719 by changing the saturation by 10% instead.

39.2481, 30.4742,
59.0719

39.2481, 30.4742,
59.0719

334.1332,
304.1086, 438.8776

27.1344, 20.1988,
42.2506

73.3088, 60.4113,
105.0123

17.8113, 12.5396,
28.9705

95.9865, 80.8418,
134.9685

10.9134, 7.1123,
18.8131

122.9163,
105.4261, 170.1401

6.0755, 3.5324,
11.3599

154.4635,
134.5486, 210.9456

2.9322, 1.4156,
6.1922

190.9934,
168.5937, 257.8035

1.1180, 0.2282,
2.8917

232.8714,

0.0401, 0.0000,

207.9458, 311.1325

1.0396

280.4629,
252.9893, 371.3510

■ 0.0000, 0.0000,
0.0000

■ 39.2481, 30.4742,
59.0719

■ 39.2481, 30.4742,
59.0719

■ 36.0715, 25.3232,
58.2455

■ 42.9647, 36.6760,
60.0735

■ 33.4009, 21.1575,
57.5822

■ 47.2466, 43.9813,
61.2579

■ 31.2031, 17.9100,
57.0712

■ 52.1213, 52.4440,
62.6345

■ 29.4396, 15.5039,
56.6998

■ 57.6134, 62.1132,
64.2113

■ 28.0655, 13.8495,
56.4529

■ 63.7461, 73.0353,
65.9963

■ 27.0234, 12.8325,
56.3115

■ 70.5415, 85.2541,
67.9966

■ 26.6828, 12.5376,
56.2725

■ 73.4915, 89.7534,
68.7096

■ 74.4546, 90.2499,
68.7547

■ 75.4373, 90.7565,
68.8006

Harmonies

Analogous

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



33.5212, 30.4742, 75.7632



39.2481, 30.4742, 59.0719



42.3166, 30.4742, 38.4507

Triad

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



39.2481, 30.4742, 59.0719



30.7506, 30.4742, 9.6814



19.2898, 30.4742, 47.2142

Complementary

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



39.2481, 30.4742, 59.0719



35.5991, 48.9080, 27.9874

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.



18.7662, 30.4742, 28.4167



39.2481, 30.4742, 59.0719



24.8412, 30.4742, 10.5809

Square

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



39.2481, 30.4742, 59.0719



36.9753, 30.4742, 13.0974



20.6556, 30.4742, 16.2368



22.2039, 30.4742, 67.3993

Rectangle

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



39.2481, 30.4742, 59.0719



42.1787, 30.4742, 26.8749



20.6556, 30.4742, 16.2368



18.8466, 30.4742, 40.4041

Sweetspot

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



39.2491, 30.4755, 59.0726



85.0694, 82.5268, 106.0534



28.8484, 27.6125, 59.0681



17.9644, 17.2410, 22.6310



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.



39.2491, 30.4755, 59.0726



62.6197, 44.7333, 99.9417



39.7101, 31.0181, 45.3161



10.9054, 10.7250, 13.4128



16.8429, 7.9171, 35.3848



0.8444, 0.3990, 1.6777

Inverse Universe

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



36.5412, 29.7505, 28.6286



57.4870, 43.4267, 39.1831



35.4846, 48.6412, 37.3688



10.7038, 10.6649, 11.4235



15.3411, 7.8860, 1.7400



0.7493, 0.3826, 0.2029

Previews

White Background



This preview shows how the XYZ color 39.2481, 30.4742, 59.0719 looks on a white background.

Color Contrast Check

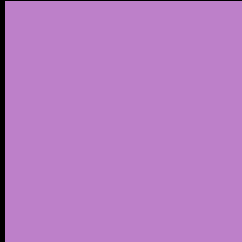
Large Text (above 18pt) WCAG AA × Fail

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 39.2481, 30.4742, 59.0719 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 39.2481, 30.4742, 59.0719

Background



This preview shows how black text looks on a background with the XYZ color 39.2481, 30.4742, 59.0719.



This preview shows how white text looks on a background with the XYZ color 39.2481, 30.4742,

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

39.2481, 30.4742, 59.0719

Protanopia

32.0164, 30.7788, 69.8991

Deuteranopia

31.3154, 30.7000, 57.0985



Tritanopia

33.9488, 30.5802, 32.5470

Trichromacy



Original Color

39.2481, 30.4742, 59.0719

Protanomaly

33.8604, 30.2369, 65.6797

Deuteranomaly

33.6225, 30.2951, 57.5015

Tritanomaly

35.7394, 30.4694, 41.0433

Monochromacy



Original Color

39.2481, 30.4742, 59.0719

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.5081, 31.4448, 43.3331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2481, 30.4742, 59.0719 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, 128, 201)` looks like.

```
.text, #text, p{  
    color:rgb(189, 128, 201)  
}
```

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, 128, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 128, 201) }
```

Border

The CSS property to change the border of an element to XYZ 39.2481, 30.4742, 59.0719 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, 128, 201) }
```


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

```
.border{ border-color:rgb(189, 128, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 128, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 128, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 128, 201);  
box-shadow:4px 4px 4px 4px rgb(189, 128,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2481, 30.4742, 59.0719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 128, 201) }
```

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

```
.background{ background-color: rgb(189,  
128, 201) }
```

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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