

Converting Colors

XYZ(30.4896, 16.7090, 33.1481)

Have a look what the booklet for
XYZ(30.4896, 16.7090, 33.1481)
contains.

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Color

**XYZ(30.4301, 16.6873,
33.0696)**

Conversions

Conversions Part 1

Format	Color
Hex	C6329C
RGB	198, 50, 156
RGB Percent	78%, 20%, 61%
CMY	0.2235, 0.8039, 0.3882
CMYK	0.00, 0.75, 0.21, 0.22
HSL	317°, 60%, 49%
HSV	317°, 75%, 78%
XYZ	30.4301, 16.6873, 33.0696
YIQ	106.3360, 54.1820, 64.3420

Conversions

Conversions Part 2

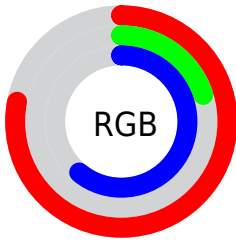
Format	Color
R_{YB}	198, 50, 156
Decimal	12989084
CIE _{Lab}	47.86, 66.78, -24.33
CIE _{LCh}	48, 71.071, 339.983
Yxy	16.6873, 0.3795, 0.2081
Android (android.graphics.Color)	4291179164 (0xFFC6329C)
YUV	106.3360, 24.4844, 80.3893
Hunter-Lab	40.8501, 61.4808, -19.4023

Details

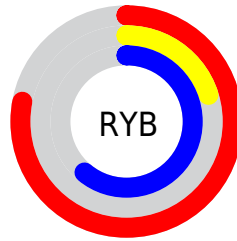
The XYZ color **30.4301, 16.6873, 33.0696** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **23.4423, 41.8397, 16.9677**, and the grayscale version is **13.7174, 14.4318, 15.7162**.

A 20% lighter version of the original color is **58.5738, 37.1150, 65.7047**, and **13.3139, 6.5749, 13.6641** is the 20% darker color. If you saturate the color by 10%, you get **29.2942, 15.1593, 30.3974**, and if you desaturate by 10%, it is **31.9549, 18.9575, 35.9804**.

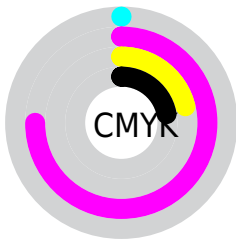
Distribution



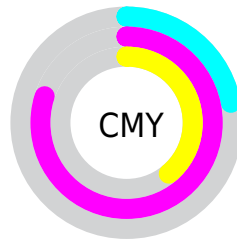
- Red (78%)
- Green (20%)
- Blue (61%)



- Red (78%)
- Yellow (20%)
- Blue (61%)



- Cyan (0%)
- Magenta (75%)
- Yellow (21%)
- Black (22%)



- Cyan (22%)
- Magenta (80%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4301, 16.6873, 33.0696 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 30.4301, 16.6873, 33.0696 by changing the saturation by 10% instead.

 30.4301, 16.6873,
33.0696


 30.4301, 16.6873,
33.0696

295.7781,
233.3639, 330.6049


 20.3150, 10.0118,
21.9082


 59.7237, 37.7873,
65.6014


 12.7338, 5.4068,
13.5918


 79.6328, 52.9807,
87.8090


 7.3212, 2.4879,
7.7018


 103.5373, 71.7821,
114.5356

 3.7119, 0.8705,
3.8197

 131.8026, 94.5759,
146.2000

 1.5405, 0.0000,
1.5270

 164.7939,
121.7467, 183.2205

 0.3531, 0.0000,
0.2379

202.8767,

 0.0000, 0.0000,

153.6786, 226.0158

0.0000

246.4163,
190.7562, 275.0044

■ 30.4301, 16.6873,
33.0696

■ 30.4301, 16.6873,
33.0696

■ 29.2942, 15.1593,
30.3974

■ 31.9549, 18.9575,
35.9804

■ 28.4944, 14.2688,
27.9442

■ 33.9093, 22.0513,
39.1442

■ 28.1569, 13.9531,
26.7247

■ 36.3304, 26.0423,
42.5751

■ 39.2507, 30.9952,
46.2852

■ 42.6997, 36.9685,
50.2858

■ 46.7047, 44.0163,
54.5871

■ 51.2909, 52.1886,
59.1989

■ 56.4821, 61.5326,
64.1305

■ 62.3005, 72.0923,
69.3905

Harmonies

Analogous

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



25.1365, 16.6873, 60.6591



30.4301, 16.6873, 33.0696



31.2969, 16.6873, 12.7275

Triad

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



30.4301, 16.6873, 33.0696



13.8250, 16.6873, 0.8759



8.1870, 16.6873, 51.4492

Complementary

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



30.4301, 16.6873, 33.0696



23.4423, 41.8397, 16.9677

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.



6.5775, 16.6873, 24.9767



30.4301, 16.6873, 33.0696



9.2041, 16.6873, 2.3460

Square

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



30.4301, 16.6873, 33.0696



20.4485, 16.6873, 1.1074



6.8917, 16.6873, 8.5913



12.0163, 16.6873, 75.3285

Rectangle

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



30.4301, 16.6873, 33.0696



29.0587, 16.6873, 5.6488



6.8917, 16.6873, 8.5913



7.4221, 16.6873, 42.0333

Sweetspot

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



30.4306, 16.6882, 33.0699



77.2320, 68.2975, 90.8345



15.7418, 8.6315, 54.2628



16.1364, 13.9285, 19.0062



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.



30.4306, 16.6882, 33.0699



50.8782, 25.6887, 50.9161



25.9557, 14.8982, 9.5050



10.9498, 10.7633, 12.7188



18.3493, 9.0893, 17.5810



0.8988, 0.4424, 0.9902

Inverse Universe

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



30.4306, 16.6882, 33.0699



50.8782, 25.6887, 50.9161



28.3871, 43.8176, 43.0070



10.9498, 10.7633, 12.7188



18.3493, 9.0893, 17.5810



0.8988, 0.4424, 0.9902

Previews

White Background



This preview shows how the XYZ color 30.4301, 16.6873, 33.0696 looks on a white 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

Black Background



This preview shows how the XYZ color 30.4301, 16.6873, 33.0696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

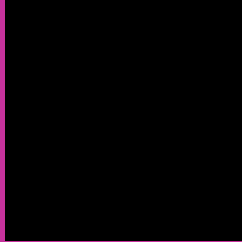
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.4301, 16.6873, 33.0696

Background



This preview shows how black text looks on a background with the XYZ color 30.4301, 16.6873, 33.0696.



This preview shows how white text looks on a background with the XYZ color 30.4301, 16.6873,

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

30.4301, 16.6873, 33.0696

Protanopia

19.2297, 17.0787, 60.0406

Deuteranopia

17.2450, 16.8831, 29.9536



Tritanopia

25.4132, 16.6730, 9.2759

Trichromacy



Original Color

30.4301, 16.6873, 33.0696



Protanomaly

19.8781, 14.5145, 48.7676



Deuteranomaly

20.0619, 15.0095, 30.6939



Tritanomaly

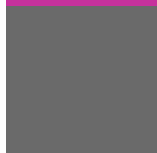
26.8502, 16.4273, 15.6655

Monochromacy



Original Color

30.4301, 16.6873, 33.0696



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

17.6133, 13.5998, 20.7655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4301, 16.6873, 33.0696 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(198, 50, 156)` looks like.

```
.text, #text, p{  
    color:rgb(198, 50, 156)  
}
```

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(198, 50, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 50, 156) }
```

Border

The CSS property to change the border of an element to XYZ 30.4301, 16.6873, 33.0696 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(198, 50, 156) }
```


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

```
.border{ border-color:rgb(198, 50, 156) }
```

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

Here you see how a box with a 4 pixel rgb(198, 50, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 50, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 50, 156);  
box-shadow:4px 4px 4px 4px rgb(198, 50,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4301, 16.6873, 33.0696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 50, 156) }
```

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

```
.background{ background-color: rgb(198, 50,  
156) }
```

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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