

Converting Colors

XYZ(31.2111, 17.2743, 36.9829)

Have a look what the booklet for
XYZ(31.2111, 17.2743, 36.9829)
contains.

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Color

**XYZ(31.0460, 17.1890,
36.8035)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C536A4 |
| RGB | 197, 54, 164 |
| RGB Percent | 77%, 21%, 64% |
| CMY | 0.2274, 0.7882, 0.3569 |
| CMYK | 0.00, 0.73, 0.17, 0.23 |
| HSL | 314°, 57%, 49% |
| HSV | 314°, 73%, 77% |
| XYZ | 31.0460, 17.1890, 36.8035 |
| YIQ | 109.2970, 49.9180, 64.5260 |

Conversions

Conversions Part 2

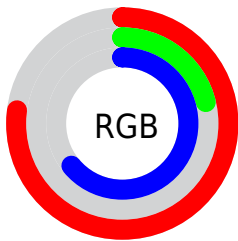
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 197, 54, 164 |
| Decimal | 12924580 |
| CIELab | 48.50, 66.34, -28.12 |
| CIElCh | 48, 72.050, 337.032 |
| Yxy | 17.1890, 0.3651, 0.2021 |
| Android (android.graphics.Color) | 4291114660 (0xFFC536A4) |
| YUV | 109.2970, 26.9686, 76.9155 |
| Hunter-Lab | 41.4596, 61.1109, -23.6097 |

Details

The XYZ color **31.0460, 17.1890, 36.8035** 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 **23.2088, 41.4056, 15.7875**, and the grayscale version is **14.5371, 15.2941, 16.6553**.

A 20% lighter version of the original color is **59.9313, 38.1847, 71.2295**, and **13.5721, 6.6588, 15.8992** is the 20% darker color. If you saturate the color by 10%, you get **29.9045, 15.5512, 34.4334**, and if you desaturate by 10%, it is **32.5745, 19.5767, 39.3753**.

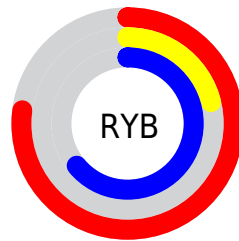
Distribution



Red (77%)

Green (21%)

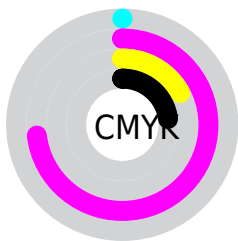
Blue (64%)



Red (77%)

Yellow (21%)

Blue (64%)

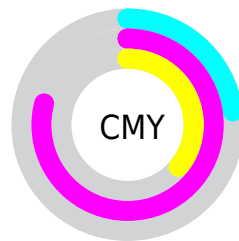


Cyan (0%)

Magenta (73%)

Yellow (17%)

Black (23%)



Cyan (23%)


Magenta (79%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0460, 17.1890, 36.8035 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 31.0460, 17.1890, 36.8035 by changing the saturation by 10% instead.


 31.0460, 17.1890,
36.8035


 31.0460, 17.1890,
36.8035

298.5733,
236.2592, 347.6020


 20.7859, 10.3693,
24.7608


 60.6878, 38.6504,
71.4534

 13.0791, 5.6445,
15.6815


 80.8003, 54.0610,
94.8977


 7.5604, 2.6302,
9.1472


 104.9275, 73.1040,
122.9796

 3.8644, 0.9418,
4.7392

 133.4349, 96.1638,
156.1176

 1.6257, 0.0000,
2.0390

 166.6878,
123.6249, 194.7303

 0.4091, 0.0000,
0.5791

205.0516,

 0.0000, 0.0000,

155.8715, 239.2363

0.0000

248.8917,
193.2881, 290.0540

■ 31.0460, 17.1890,
36.8035

■ 31.0460, 17.1890,
36.8035

■ 29.9045, 15.5512,
34.4334

■ 32.5745, 19.5767,
39.3753

■ 29.1001, 14.5645,
32.2472

■ 34.5283, 22.7917,
42.1619

■ 28.6557, 14.1223,
30.7226

■ 36.9431, 26.9048,
45.1761

■ 39.8502, 31.9782,
48.4290

■ 43.2781, 38.0687,
51.9308

■ 47.2531, 45.2288,
55.6909

■ 51.7997, 53.5072,
59.7183

■ 56.9408, 62.9495,
64.0212

■ 62.6982, 73.5991,
68.6075

Harmonies

Analogous

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



25.2441, 17.1890, 65.3688



31.0460, 17.1890, 36.8035



32.4655, 17.1890, 14.6062

Triad

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



31.0460, 17.1890, 36.8035



14.8314, 17.1890, 0.8465



8.1505, 17.1890, 50.2872

Complementary

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



31.0460, 17.1890, 36.8035



23.2088, 41.4056, 15.7875

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.



6.6953, 17.1890, 23.5321



31.0460, 17.1890, 36.8035



9.8194, 17.1890, 2.1058

Square

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



31.0460, 17.1890, 36.8035



21.8126, 17.1890, 1.2290



7.2109, 17.1890, 7.8067



11.8652, 17.1890, 76.1663

Rectangle

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



31.0460, 17.1890, 36.8035



30.4656, 17.1890, 6.5729



7.2109, 17.1890, 7.8067



7.4338, 17.1890, 40.5964

Sweetspot

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



31.0466, 17.1899, 36.8038



77.6754, 68.4748, 93.1692



15.1431, 8.6012, 53.6858



16.2420, 13.9707, 19.5620



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.



31.0466, 17.1899, 36.8038



52.6632, 26.7061, 59.3807



26.3896, 15.3271, 12.2806



10.9743, 10.7731, 12.8482



18.8813, 9.3021, 20.3824



0.9203, 0.4510, 1.1036

Inverse Universe

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



31.0466, 17.1899, 36.8038



52.6632, 26.7061, 59.3807



27.5302, 43.1341, 38.5435



10.9743, 10.7731, 12.8482



18.8813, 9.3021, 20.3824



0.9203, 0.4510, 1.1036

Previews

White Background



This preview shows how the XYZ color 31.0460, 17.1890, 36.8035 looks on a white background.

Color Contrast Check

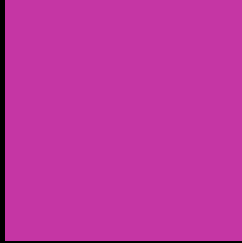
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0460, 17.1890, 36.8035 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 31.0460, 17.1890, 36.8035

Background



This preview shows how black text looks on a background with the XYZ color 31.0460, 17.1890, 36.8035.



This preview shows how white text looks on a background with the XYZ color 31.0460, 17.1890,

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

31.0460, 17.1890, 36.8035

Protanopia

20.1621, 17.7726, 65.3186

Deuteranopia

17.7594, 17.4044, 33.4337



Tritanopia

25.6314, 17.1792, 10.3525

Trichromacy



Original Color

31.0460, 17.1890, 36.8035



Protanomaly

20.6169, 15.1718, 53.4716



Deuteranomaly

20.4799, 15.5262, 34.2652



Tritanomaly

27.1631, 16.9100, 17.4551

Monochromacy



Original Color

31.0460, 17.1890, 36.8035



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

18.5193, 14.3925, 22.5708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0460, 17.1890, 36.8035 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(197, 54, 164)` looks like.

```
.text, #text, p{  
    color:rgb(197, 54, 164)  
}
```

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(197, 54, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 54, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.0460, 17.1890, 36.8035 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(197, 54, 164) }
```


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

```
.border{ border-color:rgb(197, 54, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 54, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 54, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 54, 164);  
box-shadow:4px 4px 4px 4px rgb(197, 54,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0460, 17.1890, 36.8035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 54, 164) }
```

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

```
.background{ background-color: rgb(197, 54,  
164) }
```

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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