

Converting Colors

XYZ(31.0242, 17.0534, 23.0884)

Have a look what the booklet for
XYZ(31.0242, 17.0534, 23.0884)
contains.

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Color

**XYZ(31.1257, 17.0816,
23.1293)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D02F83 |
| RGB | 208, 47, 131 |
| RGB Percent | 82%, 18%, 51% |
| CMY | 0.1843, 0.8156, 0.4863 |
| CMYK | 0.00, 0.77, 0.37, 0.18 |
| HSL | 329°, 63%, 50% |
| HSV | 329°, 77%, 82% |
| XYZ | 31.1257, 17.0816, 23.1293 |
| YIQ | 104.7150, 68.9920, 60.2560 |

Conversions

Conversions Part 2

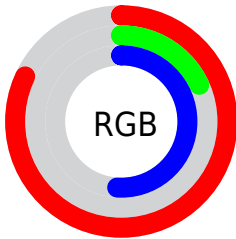
| Format | Color |
|-------------------------------------|--|
| RYB | 208, 47, 131 |
| Decimal | 13643651 |
| CIELab | 48.36, 67.21, -8.36 |
| CIElCh | 48, 67.731, 352.907 |
| Yxy | 17.0816, 0.4363, 0.2395 |
| Android (android.graphics.Color) | 4291833731 (0xFFD02F83) |
| YUV | 104.7150, 12.9585, 90.5809 |
| Hunter-Lab | 41.3299, 62.1017, -4.2493 |

Details

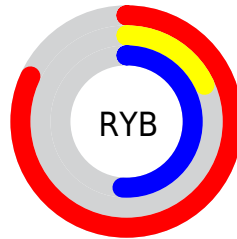
The XYZ color **31.1257, 17.0816, 23.1293** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **27.3675, 47.1720, 26.7351**, and the grayscale version is **13.3047, 13.9975, 15.2433**.

A 20% lighter version of the original color is **55.3604, 35.6580, 49.3123**, and **13.7357, 6.9051, 8.5915** is the 20% darker color. If you saturate the color by 10%, you get **29.8409, 15.5398, 19.5325**, and if you desaturate by 10%, it is **32.8721, 19.4429, 27.1997**.

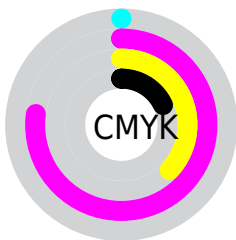
Distribution



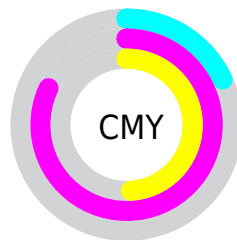
- Red (82%)
- Green (18%)
- Blue (51%)



- Red (82%)
- Yellow (18%)
- Blue (51%)



- Cyan (0%)
- Magenta (77%)
- Yellow (37%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1257, 17.0816, 23.1293 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 31.1257, 17.0816, 23.1293 by changing the saturation by 10% instead.


 31.1257, 17.0816,
23.1293


 31.1257, 17.0816,
23.1293


298.9335,
235.6422, 281.5318


 20.8469, 10.2927,
14.4828


 60.8124, 38.4660,
49.5314

 13.1239, 5.5934,
8.3147


 80.9510, 53.8303,
68.1242


 7.5915, 2.5995,
4.2063


 105.1069, 72.8219,
90.8694

 3.8843, 0.9264,
1.7392

 133.6455, 95.8251,
118.1856

 1.6369, 0.0000,
0.3874

 166.9321,
123.2243, 150.4915

 0.4163, 0.0000,
0.0000

205.3321,

 0.0000, 0.0000,

155.4040, 188.2054

0.0000

249.2108,
192.7485, 231.7460

■ 31.1257, 17.0816,
23.1293

■ 31.1257, 17.0816,
23.1293

■ 29.8409, 15.5398,
19.5325

■ 32.8721, 19.4429,
27.1997

■ 28.9461, 14.6774,
16.3762

■ 35.1302, 22.7212,
31.7685

■ 28.7468, 14.5036,
15.6159

■ 37.9445, 27.0029,
36.8592

■ 41.3543, 32.3638,
42.4926

■ 45.3950, 38.8724,
48.6884

■ 50.0991, 46.5912,
55.4648

■ 55.4969, 55.5783,
62.8391

■ 61.6166, 65.8881,
70.8278

■ 68.4850, 77.5717,
79.4467

Harmonies

Analogous

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



27.6878, 17.0816, 47.6273



31.1257, 17.0816, 23.1293



29.8372, 17.0816, 8.2431

Triad

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



31.1257, 17.0816, 23.1293



12.0330, 17.0816, 1.5604



10.0679, 17.0816, 61.1355

Complementary

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



31.1257, 17.0816, 23.1293



27.3675, 47.1720, 26.7351

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.



7.5606, 17.0816, 35.2532



31.1257, 17.0816, 23.1293



8.4776, 17.0816, 4.6925

Square

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



31.1257, 17.0816, 23.1293



17.7487, 17.0816, 1.1403



7.0632, 17.0816, 14.7025



14.8110, 17.0816, 76.9963

Rectangle

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



31.1257, 17.0816, 23.1293



26.5959, 17.0816, 3.7133



7.0632, 17.0816, 14.7025



8.9903, 17.0816, 52.7534

Sweetspot

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



31.1262, 17.0825, 23.1296



74.9169, 66.4411, 81.5114



20.4479, 10.7357, 60.6691



15.4746, 13.3053, 16.6260



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.



31.1262, 17.0825, 23.1296



46.3044, 23.6280, 27.5436



27.6578, 15.6952, 4.8653



12.0626, 11.9098, 13.6056



17.9657, 9.0591, 9.9916



1.0445, 0.5225, 0.7692

Inverse Universe

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



31.1262, 17.0825, 23.1296



46.3044, 23.6280, 27.5436



34.4646, 50.0108, 64.1080



12.0626, 11.9098, 13.6056



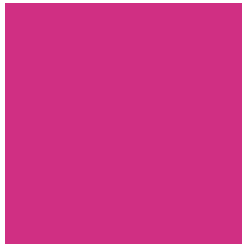
17.9657, 9.0591, 9.9916



1.0445, 0.5225, 0.7692

Previews

White Background



This preview shows how the XYZ color 31.1257, 17.0816, 23.1293 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 31.1257, 17.0816, 23.1293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

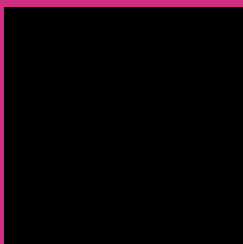
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.1257, 17.0816, 23.1293

Background



This preview shows how black text looks on a background with the XYZ color 31.1257, 17.0816, 23.1293.



This preview shows how white text looks on a background with the XYZ color 31.1257, 17.0816,

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

31.1257, 17.0816, 23.1293

Protanopia

18.3713, 17.5095, 42.9688

Deuteranopia

17.5377, 17.2294, 21.1402



Tritanopia

27.9242, 17.1635, 7.4713

Trichromacy



Original Color

31.1257, 17.0816, 23.1293

Protanomaly

19.9058, 14.9664, 34.6405

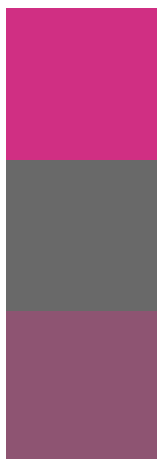
Deuteranomaly

20.5820, 15.3558, 21.6178

Tritanomaly

28.6726, 16.8798, 11.8721

Monochromacy



Original Color

31.1257, 17.0816, 23.1293

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.3629, 13.3063, 17.5728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1257, 17.0816, 23.1293 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(208, 47, 131)` looks like.

```
.text, #text, p{  
    color:rgb(208, 47, 131)  
}
```

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(208, 47, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 47, 131) }
```

Border

The CSS property to change the border of an element to XYZ 31.1257, 17.0816, 23.1293 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(208, 47, 131) }
```


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

```
.border{ border-color:rgb(208, 47, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 47, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 47, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 47, 131);  
box-shadow:4px 4px 4px 4px rgb(208, 47,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1257, 17.0816, 23.1293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 47, 131) }
```

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

```
.background{ background-color: rgb(208, 47,  
131) }
```

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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