

Converting Colors

XYZ(31.0257, 17.3722, 41.1284)

Have a look what the booklet for
XYZ(31.0257, 17.3722, 41.1284)
contains.

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Color

**XYZ(31.0482, 17.3807,
41.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	C13AAD
RGB	193, 58, 173
RGB Percent	76%, 23%, 68%
CMY	0.2431, 0.7725, 0.3216
CMYK	0.00, 0.70, 0.10, 0.24
HSL	309°, 54%, 49%
HSV	309°, 70%, 76%
XYZ	31.0482, 17.3807, 41.2536
YIQ	111.4750, 43.5450, 64.3850

Conversions

Conversions Part 2

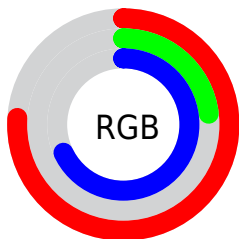
Format	Color
R_{YB}	193, 58, 173
Decimal	12663469
CIE _{Lab}	48.74, 65.32, -33.11
CIE _{LCh}	49, 73.228, 333.121
Yxy	17.3807, 0.3462, 0.1938
Android (android.graphics.Color)	4290853549 (0xFFC13AAD)
YUV	111.4750, 30.3318, 71.4974
Hunter-Lab	41.6902, 59.9777, -29.4860

Details

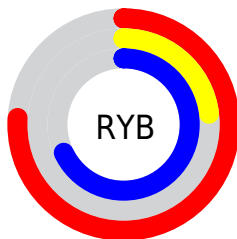
The XYZ color **31.0482, 17.3807, 41.2536** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **22.1909, 39.5902, 13.6812**, and the grayscale version is **15.1541, 15.9433, 17.3622**.

A 20% lighter version of the original color is **60.5331, 38.8434, 78.4358**, and **13.5435, 6.5903, 18.3275** is the 20% darker color. If you saturate the color by 10%, you get **29.9775, 15.6771, 39.5462**, and if you desaturate by 10%, it is **32.4906, 19.8175, 43.1144**.

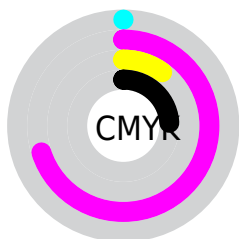
Distribution



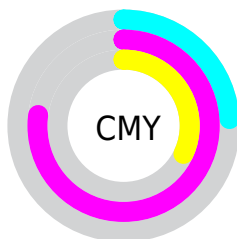
- Red (76%)
- Green (23%)
- Blue (68%)



- Red (76%)
- Yellow (23%)
- Blue (68%)



- Cyan (0%)
- Magenta (70%)
- Yellow (10%)
- Black (24%)





- Cyan (24%)
- Magenta (77%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0482, 17.3807, 41.2536 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 31.0482, 17.3807, 41.2536 by changing the saturation by 10% instead.

 31.0482, 17.3807,
41.2536


 31.0482, 17.3807,
41.2536


298.5832,
237.3568, 367.0874

 20.7876, 10.5063,
28.1961


 60.6913, 38.9792,
78.3266

 13.0804, 5.7359,
18.2332


 80.8044, 54.4720,
103.1791


 7.5613, 2.6852,
10.9464


 104.9324, 73.6065,
132.8004

 3.8650, 0.9697,
5.9171

 133.4407, 96.7670,
167.6091

 1.6260, 0.0000,
2.7267

 166.6946,
124.3379, 208.0235

 0.4093, 0.0000,
0.9568

205.0594,

 0.0000, 0.0000,

156.7035, 254.4624

0.0000

248.9005,
194.2484, 307.3442

■ 31.0482, 17.3807,
41.2536

■ 31.0482, 17.3807,
41.2536

■ 29.9775, 15.6771,
39.5462

■ 32.4906, 19.8175,
43.1144

■ 29.2335, 14.6176,
37.9766

■ 34.3393, 23.0579,
45.1399

■ 28.7327, 14.0355,
36.5169

■ 36.6273, 27.1670,
47.3414

■ 28.7301, 14.0326,
36.5090

■ 39.3832, 32.2025,
49.7286

■ 42.6336, 38.2173,
52.3106

■ 46.4029, 45.2599,
55.0957

■ 50.7138, 53.3761,
58.0915

■ 55.5878, 62.6085,
61.3055

■ 61.0451, 72.9977,
64.7445

Harmonies

Analogous

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



24.6943, 17.3807, 70.4018



31.0482, 17.3807, 41.2536



33.2069, 17.3807, 16.9680

Triad

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



31.0482, 17.3807, 41.2536



15.8217, 17.3807, 0.7627



7.8458, 17.3807, 47.4458

Complementary

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



31.0482, 17.3807, 41.2536



22.1909, 39.5902, 13.6812

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.



6.6389, 17.3807, 21.0261



31.0482, 17.3807, 41.2536



10.3835, 17.3807, 1.7305

Square

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



31.0482, 17.3807, 41.2536



23.1251, 17.3807, 1.3506



7.4226, 17.3807, 6.5857



11.3098, 17.3807, 75.3843

Rectangle

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



31.0482, 17.3807, 41.2536



31.6003, 17.3807, 7.7427



7.4226, 17.3807, 6.5857



7.2132, 17.3807, 37.6431

Sweetspot

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



31.0488, 17.3815, 41.2539



75.4963, 66.8478, 93.0266



14.1201, 8.4139, 51.3324



15.8371, 13.6745, 19.6766



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.0488, 17.3815, 41.2539



52.9065, 26.9259, 69.2882



26.1864, 15.4366, 15.6489



10.4311, 10.2210, 12.3606



19.1320, 9.3426, 24.4049



0.8445, 0.4108, 1.1484

Inverse Universe

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



31.0488, 17.3815, 41.2539



52.9065, 26.9259, 69.2882



25.8116, 41.0385, 32.7477



10.4311, 10.2210, 12.3606



19.1320, 9.3426, 24.4049



0.8445, 0.4108, 1.1484

Previews

White Background



This preview shows how the XYZ color 31.0482, 17.3807, 41.2536 looks on a white background.

Color Contrast Check

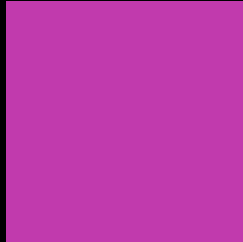
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0482, 17.3807, 41.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

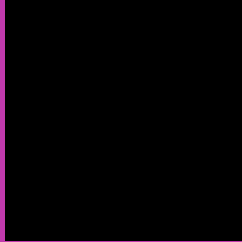
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.0482, 17.3807, 41.2536

Background



This preview shows how black text looks on a background with the XYZ color 31.0482, 17.3807, 41.2536.



This preview shows how white text looks on a background with the XYZ color 31.0482, 17.3807,

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

31.0482, 17.3807, 41.2536

Protanopia

20.6436, 17.9006, 70.7737

Deuteranopia

17.9772, 17.5945, 37.5705



Tritanopia

25.0234, 17.3931, 11.7112

Trichromacy



Original Color

31.0482, 17.3807, 41.2536



Protanomaly

20.7573, 15.2525, 58.9767



Deuteranomaly

20.6506, 15.7820, 38.5170



Tritanomaly

26.6453, 17.0796, 19.6616

Monochromacy



Original Color

31.0482, 17.3807, 41.2536



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.1147, 15.0382, 24.4495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0482, 17.3807, 41.2536 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(193, 58, 173)` looks like.

```
.text, #text, p{  
    color:rgb(193, 58, 173)  
}
```

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(193, 58, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 58, 173) }
```

Border

The CSS property to change the border of an element to XYZ 31.0482, 17.3807, 41.2536 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(193, 58, 173) }
```


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

```
.border{ border-color:rgb(193, 58, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 58, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 58, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 58, 173);  
box-shadow:4px 4px 4px 4px rgb(193, 58,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0482, 17.3807, 41.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 58, 173) }
```

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

```
.background{ background-color: rgb(193, 58,  
173) }
```

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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