

Converting Colors

XYZ(31.9767, 17.4884, 30.1240)

Have a look what the booklet for
XYZ(31.9767, 17.4884, 30.1240)
contains.

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Color

**XYZ(31.9767, 17.4884,
30.1240)**

Conversions

Conversions Part 1

Format	Color
Hex	CE3195
RGB	206, 49, 149
RGB Percent	81%, 19%, 58%
CMY	0.1922, 0.8078, 0.4157
CMYK	0.00, 0.76, 0.28, 0.19
HSL	322°, 62%, 50%
HSV	322°, 76%, 81%
XYZ	31.9767, 17.4884, 30.1240
YIQ	107.3430, 61.4720, 64.3840

Conversions

Conversions Part 2

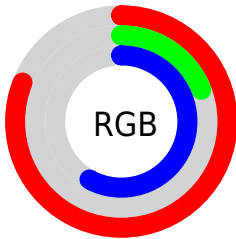
Format	Color
R_{YB}	206, 49, 149
Decimal	13513109
CIE _{Lab}	48.87, 68.14, -18.48
CIE _{LCh}	49, 70.601, 344.829
Yxy	17.4884, 0.4018, 0.2197
Android (android.graphics.Color)	4291703189 (0xFFCE3195)
YUV	107.3430, 20.5369, 86.5222
Hunter-Lab	41.8191, 63.3053, -13.4356

Details

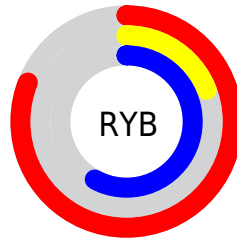
The XYZ color **31.9767, 17.4884, 30.1240** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **25.9406, 45.8367, 21.1188**, and the grayscale version is **14.0045, 14.7339, 16.0452**.

A 20% lighter version of the original color is **57.7039, 36.9407, 60.5888**, and **14.2372, 7.0849, 12.1724** is the 20% darker color. If you saturate the color by 10%, you get **30.7253, 15.9106, 26.8546**, and if you desaturate by 10%, it is **33.6610, 19.8702, 33.7272**.

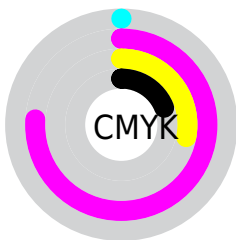
Distribution



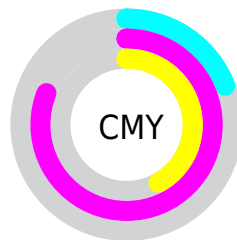
- Red (81%)
- Green (19%)
- Blue (58%)



- Red (81%)
- Yellow (19%)
- Blue (58%)



- Cyan (0%)
- Magenta (76%)
- Yellow (28%)
- Black (19%)





- Cyan (19%)
- Magenta (81%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9767, 17.4884, 30.1240 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 31.9767, 17.4884, 30.1240 by changing the saturation by 10% instead.

 31.9767, 17.4884,
30.1240

 31.9767, 17.4884,
30.1240

302.7603,
237.9714, 316.7073


 21.4992, 10.5833,
19.6799


 62.1400, 39.1636,
60.9215


 13.6039, 5.7874,
11.9808


 82.5565, 54.7025,
82.1120


 7.9255, 2.7162,
6.6082


 107.0166, 73.8882,
107.7218

 4.0987, 0.9854,
3.1436

 135.8859, 97.1050,
138.1692

 1.7581, 0.0000,
1.1684

 169.5295,
124.7373, 173.8729

 0.4923, 0.0000,
0.0000

208.3128,

 0.0000, 0.0000,

157.1696, 215.2515

0.0000

252.6013,
194.7861, 262.7235

■ 31.9767, 17.4884,
30.1240

■ 31.9767, 17.4884,
30.1240

■ 30.7253, 15.9106,
26.8546

■ 33.6610, 19.8702,
33.7272

■ 29.8444, 15.0138,
23.8944

■ 35.8248, 23.1487,
37.6827

■ 29.5643, 14.7661,
22.8377

■ 38.5101, 27.4066,
42.0080

■ 41.7537, 32.7165,
46.7188

■ 45.5890, 39.1441,
51.8291

■ 50.0466, 46.7496,
57.3525

■ 55.1550, 55.5891,
63.3014

■ 60.9408, 65.7148,
69.6876

■ 67.4292, 77.1762,
76.5225

Harmonies

Analogous

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



27.1728, 17.4884, 57.7747



31.9767, 17.4884, 30.1240



32.0069, 17.4884, 11.2237

Triad

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



31.9767, 17.4884, 30.1240



13.6035, 17.4884, 1.1276



9.1960, 17.4884, 57.4557

Complementary

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



31.9767, 17.4884, 30.1240



25.9406, 45.8367, 21.1188

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.



7.1796, 17.4884, 29.8421



31.9767, 17.4884, 30.1240



9.2319, 17.4884, 3.2082

Square

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



31.9767, 17.4884, 30.1240



20.1399, 17.4884, 1.1361



7.1907, 17.4884, 11.0779



13.5399, 17.4884, 79.3556

Rectangle

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



31.9767, 17.4884, 30.1240



29.2481, 17.4884, 4.9796



7.1907, 17.4884, 11.0779



8.2808, 17.4884, 47.9540

Sweetspot

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



31.9772, 17.4893, 30.1243



75.8679, 66.8215, 86.5193



17.9433, 9.5943, 59.2987



15.7049, 13.3974, 17.8388



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.



31.9772, 17.4893, 30.1243



48.8720, 24.8014, 40.6131



27.7404, 15.7946, 7.8136



11.5080, 11.3319, 13.2096



18.2527, 9.1117, 14.3152



0.9772, 0.4843, 0.9260

Inverse Universe

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



31.9772, 17.4893, 30.1243



48.8720, 24.8014, 40.6131



31.8288, 48.1920, 52.1256



11.5080, 11.3319, 13.2096



18.2527, 9.1117, 14.3152



0.9772, 0.4843, 0.9260

Previews

White Background



This preview shows how the XYZ color 31.9767, 17.4884, 30.1240 looks on a white background.

Color Contrast Check

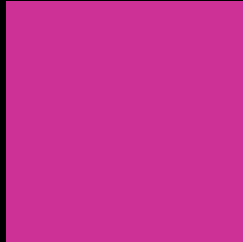
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9767, 17.4884, 30.1240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

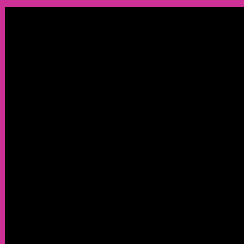
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9767, 17.4884, 30.1240

Background



This preview shows how black text looks on a background with the XYZ color 31.9767, 17.4884, 30.1240.



This preview shows how white text looks on a background with the XYZ color 31.9767, 17.4884,

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

31.9767, 17.4884, 30.1240

Protanopia

19.5750, 17.8597, 55.2389

Deuteranopia

17.9534, 17.6411, 27.2698



Tritanopia

27.4413, 17.4359, 8.7566

Trichromacy



Original Color

31.9767, 17.4884, 30.1240

Protanomaly

20.6468, 15.1196, 45.0102

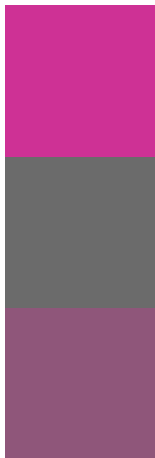
Deuteranomaly

21.0085, 15.6851, 27.9068

Tritanomaly

28.6387, 17.2026, 14.6430

Monochromacy



Original Color

31.9767, 17.4884, 30.1240

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

18.1683, 13.9004, 20.1378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9767, 17.4884, 30.1240 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(206, 49, 149)` looks like.

```
.text, #text, p{  
    color:rgb(206, 49, 149)  
}
```

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(206, 49, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 49, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.9767, 17.4884, 30.1240 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(206, 49, 149) }
```


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

```
.border{ border-color:rgb(206, 49, 149) }
```

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

Here you see how a box with a 4 pixel rgb(206, 49, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 49, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 49, 149);  
box-shadow:4px 4px 4px 4px rgb(206, 49,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9767, 17.4884, 30.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 49, 149) }
```

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

```
.background{ background-color: rgb(206, 49,  
149) }
```

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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