

Converting Colors

XYZ(30.9458, 19.0333, 31.7459)

Have a look what the booklet for
XYZ(30.9458, 19.0333, 31.7459)
contains.

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Color

**XYZ(30.9485, 19.0349,
31.7487)**

Conversions

Conversions Part 1

Format	Color
Hex	C44B98
RGB	196, 75, 152
RGB Percent	77%, 29%, 60%
CMY	0.2314, 0.7059, 0.4039
CMYK	0.00, 0.62, 0.22, 0.23
HSL	322°, 51%, 53%
HSV	322°, 62%, 77%
XYZ	30.9485, 19.0349, 31.7487
YIQ	119.9570, 47.3990, 49.5990

Conversions

Conversions Part 2

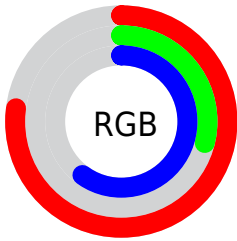
Format	Color
R_{YB}	196, 75, 152
Decimal	12864408
CIE _{Lab}	50.73, 56.36, -17.57
CIE _{LCh}	51, 59.039, 342.682
Yxy	19.0349, 0.3787, 0.2329
Android (android.graphics.Color)	4291054488 (0xFFC44B98)
YUV	119.9570, 15.7972, 66.6897
Hunter-Lab	43.6290, 50.2693, -12.6049

Details

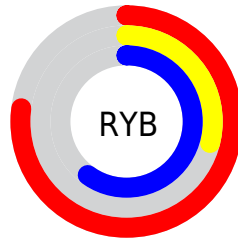
The XYZ color **30.9485, 19.0349, 31.7487** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **25.9723, 42.3082, 24.2522**, and the grayscale version is **17.7802, 18.7061, 20.3710**.

A 20% lighter version of the original color is **60.3632, 41.6815, 63.2564**, and **13.0615, 6.5588, 12.8895** is the 20% darker color. If you saturate the color by 10%, you get **29.2516, 16.5474, 28.3889**, and if you desaturate by 10%, it is **33.0910, 22.3572, 35.4305**.

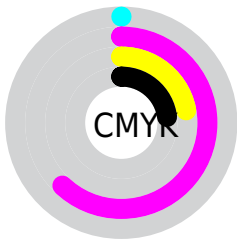
Distribution



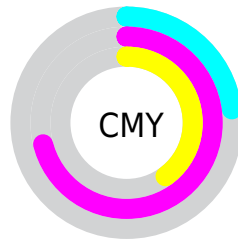
- Red (77%)
- Green (29%)
- Blue (60%)



- Red (77%)
- Yellow (29%)
- Blue (60%)



- Cyan (0%)
- Magenta (62%)
- Yellow (22%)
- Black (23%)





- Cyan (23%)
- Magenta (71%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9485, 19.0349, 31.7487 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 30.9485, 19.0349, 31.7487 by changing the saturation by 10% instead.

 30.9485, 19.0349,
31.7487


 30.9485, 19.0349,
31.7487


298.1321,
246.6414, 324.4303


 20.7113, 11.6955,
20.9064


 60.5354, 41.7931,
63.5102

 13.0244, 6.5367,
12.8650


 80.6157, 57.9806,
85.2666


 7.5224, 3.1741,
7.2060


 104.7078, 77.8863,
111.4980

 3.8401, 1.2233,
3.5109

 133.1771,
101.8946, 142.6230

 1.6121, 0.0806,
1.3611

 166.3887,
130.3899, 179.0602

 0.4003, 0.0000,
0.1111

204.7082,

 0.0000, 0.0000,

163.7565, 221.2282

0.0000

248.5009,
202.3789, 269.5453

■ 30.9485, 19.0349,
31.7487

■ 30.9485, 19.0349,
31.7487

■ 29.2516, 16.5474,
28.3889

■ 33.0910, 22.3572,
35.4305

■ 27.9591, 14.8135,
25.3338

■ 35.7121, 26.5797,
39.4477

■ 27.0243, 13.7409,
22.5650

■ 38.8434, 31.7646,
43.8138

■ 26.4491, 13.2094,
20.4654

■ 42.5133, 37.9678,
48.5413

■ 46.7481, 45.2408,
53.6414

■ 51.5721, 53.6316,
59.1251

■ 57.0083, 63.1854,
65.0026

■ 63.0786, 73.9448,
71.2837

■ 69.8034, 85.9502,
77.9779

Harmonies

Analogous

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



26.7447, 19.0349, 54.1431



30.9485, 19.0349, 31.7487



31.2834, 19.0349, 14.4805

Triad

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



30.9485, 19.0349, 31.7487



15.7548, 19.0349, 2.5807



11.0757, 19.0349, 50.7542

Complementary

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



30.9485, 19.0349, 31.7487



25.9723, 42.3082, 24.2522

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.



9.2542, 19.0349, 28.5493



30.9485, 19.0349, 31.7487



11.5415, 19.0349, 5.0057

Square

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



30.9485, 19.0349, 31.7487



21.6153, 19.0349, 2.7509



9.4042, 19.0349, 12.6047



14.9742, 19.0349, 68.5462

Rectangle

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



30.9485, 19.0349, 31.7487



29.1828, 19.0349, 7.8299



9.4042, 19.0349, 12.6047



10.2416, 19.0349, 43.1698

Sweetspot

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



30.9491, 19.0359, 31.7491



78.7858, 71.8046, 90.1201



19.8642, 12.8251, 53.6533



16.4124, 14.5992, 18.7320



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.



30.9491, 19.0359, 31.7491



52.1090, 28.7529, 49.4691



27.2642, 17.5619, 12.3449



10.3368, 10.1833, 11.8643



17.0372, 8.5046, 13.3736



0.7683, 0.3803, 0.7470

Inverse Universe

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



30.9491, 19.0359, 31.7491



52.1090, 28.7529, 49.4691



30.6631, 44.1845, 48.9536



10.3368, 10.1833, 11.8643



17.0372, 8.5046, 13.3736



0.7683, 0.3803, 0.7470

Previews

White Background



This preview shows how the XYZ color 30.9485, 19.0349, 31.7487 looks on a white background.

Color Contrast Check

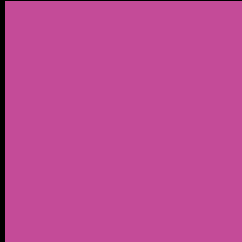
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.9485, 19.0349, 31.7487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

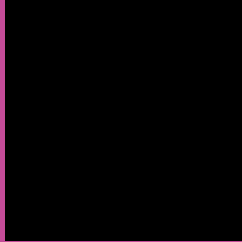
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9485, 19.0349, 31.7487

Background



This preview shows how black text looks on a background with the XYZ color 30.9485, 19.0349, 31.7487.



This preview shows how white text looks on a background with the XYZ color 30.9485, 19.0349,

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

30.9485, 19.0349, 31.7487

Protanopia

20.3908, 19.2931, 48.5482

Deuteranopia

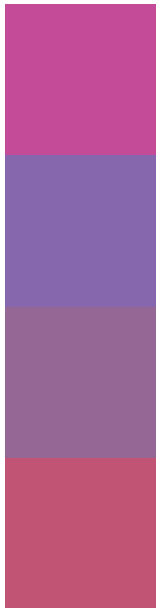
19.5928, 19.3029, 29.4812



Tritanopia

27.1238, 19.0473, 13.0734

Trichromacy



Original Color

30.9485, 19.0349, 31.7487

Protanomaly

22.2246, 17.7860, 41.7968

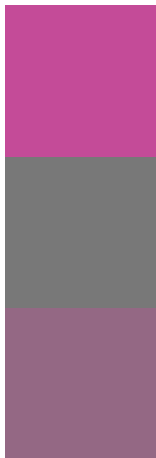
Deuteranomaly

22.4083, 18.1345, 30.3362

Tritanomaly

28.3150, 18.9391, 18.6862

Monochromacy



Original Color

30.9485, 19.0349, 31.7487

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

21.3279, 17.8625, 24.1535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9485, 19.0349, 31.7487 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(196, 75, 152)` looks like.

```
.text, #text, p{  
    color:rgb(196, 75, 152)  
}
```

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(196, 75, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 75, 152) }
```

Border

The CSS property to change the border of an element to XYZ 30.9485, 19.0349, 31.7487 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(196, 75, 152) }
```


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

```
.border{ border-color:rgb(196, 75, 152) }
```

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

Here you see how a box with a 4 pixel rgb(196, 75, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 75, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 75, 152);  
box-shadow:4px 4px 4px 4px rgb(196, 75,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9485, 19.0349, 31.7487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 75, 152) }
```

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

```
.background{ background-color: rgb(196, 75,  
152) }
```

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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