

Converting Colors

XYZ(30.9772, 19.3892, 33.3557)

Have a look what the booklet for
XYZ(30.9772, 19.3892, 33.3557)
contains.

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Color

**XYZ(31.0449, 19.4616,
33.5727)**

Conversions

Conversions Part 1

Format	Color
Hex	C24F9C
RGB	194, 79, 156
RGB Percent	76%, 31%, 61%
CMY	0.2392, 0.6902, 0.3882
CMYK	0.00, 0.59, 0.20, 0.24
HSL	320°, 49%, 54%
HSV	320°, 59%, 76%
XYZ	31.0449, 19.4616, 33.5727
YIQ	122.1630, 43.8230, 48.3270

Conversions

Conversions Part 2

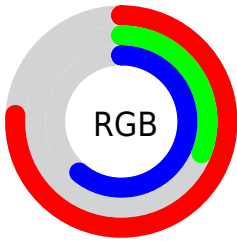
Format	Color
RYB	194, 79, 156
Decimal	12734364
CIELab	51.22, 54.59, -19.21
CIElCh	51, 57.869, 340.608
Yxy	19.4616, 0.3692, 0.2315
Android (android.graphics.Color)	4290924444 (0xFFC24F9C)
YUV	122.1630, 16.6816, 63.0010
Hunter-Lab	44.1153, 48.4126, -14.2403

Details

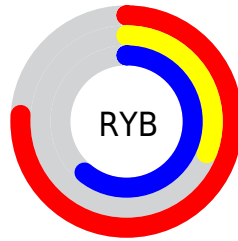
The XYZ color **31.0449, 19.4616, 33.5727** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **25.7281, 41.5309, 23.4918**, and the grayscale version is **18.4899, 19.4528, 21.1841**.

A 20% lighter version of the original color is **60.7910, 42.6360, 66.6535**, and **13.0668, 6.7392, 13.9767** is the 20% darker color. If you saturate the color by 10%, you get **29.3156, 16.8488, 30.3883**, and if you desaturate by 10%, it is **33.2123, 22.9042, 37.0449**.

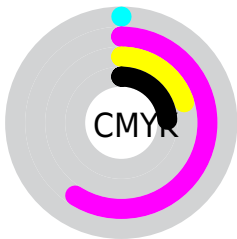
Distribution



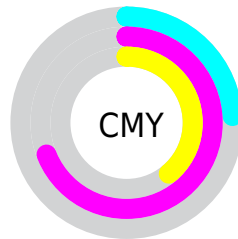
- Red (76%)
- Green (31%)
- Blue (61%)



- Red (76%)
- Yellow (31%)
- Blue (61%)



- Cyan (0%)
- Magenta (59%)
- Yellow (20%)
- Black (24%)





- Cyan (24%)
- Magenta (69%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0449, 19.4616, 33.5727 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 31.0449, 19.4616, 33.5727 by changing the saturation by 10% instead.

 31.0449, 19.4616,
33.5727


 31.0449, 19.4616,
33.5727


298.5683,
248.9853, 332.9333


 20.7850, 12.0043,
22.2908


 60.6861, 42.5127,
66.3949


 13.0785, 6.7466,
13.8704

 80.7982, 58.8752,
88.7723


 7.5600, 3.3041,
7.8929


 104.9250, 78.9749,
115.6853

 3.8641, 1.2925,
3.9397

 133.4320,
103.1962, 147.5525

 1.6256, 0.1354,
1.5923

 166.6844,
131.9235, 184.7923

 0.4090, 0.0000,
0.2853

205.0477,

 0.0000, 0.0000,

165.5412, 227.8234

0.0000

248.8873,
204.4337, 277.0642

■ 31.0449, 19.4616,
33.5727

■ 31.0449, 19.4616,
33.5727

■ 29.3156, 16.8488,
30.3883

■ 33.2123, 22.9042,
37.0449

■ 27.9856, 14.9895,
27.4760

■ 35.8487, 27.2385,
40.8167

■ 27.0117, 13.7981,
24.8194

■ 38.9841, 32.5237,
44.9005

■ 26.3169, 13.1213,
22.3907

■ 42.6455, 38.8130,
49.3071

■ 26.2704, 13.0783,
22.2212

■ 46.8578, 46.1557,
54.0470

■ 51.6445, 54.5980,
59.1298

■ 57.0275, 64.1830,
64.5648

■ 63.0275, 74.9517,
70.3607

■ 69.6644, 86.9432,
76.5260

Harmonies

Analogous

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



26.6897, 19.4616, 55.5751



31.0449, 19.4616, 33.5727



31.6695, 19.4616, 15.8678

Triad

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



31.0449, 19.4616, 33.5727



16.5315, 19.4616, 2.7984



11.2950, 19.4616, 49.2909

Complementary

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



31.0449, 19.4616, 33.5727



25.7281, 41.5309, 23.4918

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.



9.6027, 19.4616, 27.5871



31.0449, 19.4616, 33.5727



12.1811, 19.4616, 5.0735

Square

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



31.0449, 19.4616, 33.5727



22.4269, 19.4616, 3.1375



9.8893, 19.4616, 12.3022



15.0565, 19.4616, 67.4446

Rectangle

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



31.0449, 19.4616, 33.5727



29.7699, 19.4616, 8.7896



9.8893, 19.4616, 12.3022



10.5046, 19.4616, 41.8082

Sweetspot

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



31.0455, 19.4626, 33.5731



77.9726, 71.5494, 90.1544



19.6598, 13.1613, 52.5436



16.6154, 14.8732, 19.2066



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.



31.0455, 19.4626, 33.5731



52.3547, 29.4324, 53.5025



27.3492, 17.9841, 14.1088



10.3512, 10.1891, 11.9399



17.3111, 8.6142, 14.8160



0.7787, 0.3845, 0.8022

Inverse Universe

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



31.0455, 19.4626, 33.5731



52.3547, 29.4324, 53.5025



30.0518, 43.2604, 46.2599



10.3512, 10.1891, 11.9399



17.3111, 8.6142, 14.8160



0.7787, 0.3845, 0.8022

Previews

White Background



This preview shows how the XYZ color 31.0449, 19.4616, 33.5727 looks on a white background.

Color Contrast Check

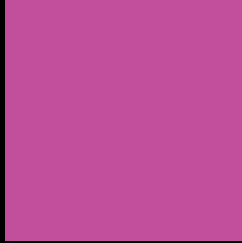
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0449, 19.4616, 33.5727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

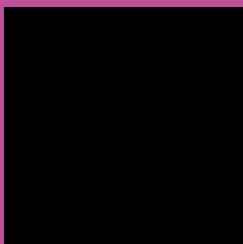
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0449, 19.4616, 33.5727

Background



This preview shows how black text looks on a background with the XYZ color 31.0449, 19.4616, 33.5727.



This preview shows how white text looks on a background with the XYZ color 31.0449, 19.4616,

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

31.0449, 19.4616, 33.5727

Protanopia

20.9392, 19.7164, 50.2790

Deuteranopia

20.1066, 19.6999, 31.5969



Tritanopia

27.1527, 19.5484, 14.1465

Trichromacy



Original Color

31.0449, 19.4616, 33.5727



Protanomaly

22.7196, 18.3061, 43.4103



Deuteranomaly

22.9318, 18.6660, 32.1000



Tritanomaly

28.3657, 19.4119, 20.0211

Monochromacy



Original Color

31.0449, 19.4616, 33.5727



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.6699, 18.3252, 24.9492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0449, 19.4616, 33.5727 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(194, 79, 156)` looks like.

```
.text, #text, p{  
    color:rgb(194, 79, 156)  
}
```

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(194, 79, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 79, 156) }
```

Border

The CSS property to change the border of an element to XYZ 31.0449, 19.4616, 33.5727 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(194, 79, 156) }
```


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

```
.border{ border-color:rgb(194, 79, 156) }
```

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

Here you see how a box with a 4 pixel rgb(194, 79, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 79, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 79, 156);  
box-shadow:4px 4px 4px 4px rgb(194, 79,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0449, 19.4616, 33.5727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 79, 156) }
```

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

```
.background{ background-color: rgb(194, 79,  
156) }
```

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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