

Converting Colors

XYZ(31.3249, 19.0020, 33.0271)

Have a look what the booklet for
XYZ(31.3249, 19.0020, 33.0271)
contains.

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Color

**XYZ(31.3249, 19.0020,
33.0271)**

Conversions

Conversions Part 1

Format	Color
Hex	C5499B
RGB	197, 73, 155
RGB Percent	77%, 29%, 61%
CMY	0.2274, 0.7137, 0.3922
CMYK	0.00, 0.63, 0.21, 0.23
HSL	320°, 52%, 53%
HSV	320°, 63%, 77%
XYZ	31.3249, 19.0020, 33.0271
YIQ	119.4240, 47.5820, 51.7900

Conversions

Conversions Part 2

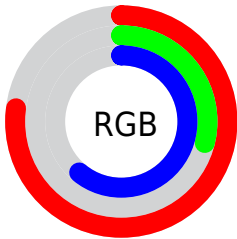
Format	Color
RYB	197, 73, 155
Decimal	12929435
CIELab	50.69, 57.92, -19.40
CIElCh	51, 61.079, 341.483
Yxy	19.0020, 0.3758, 0.2280
Android (android.graphics.Color)	4291119515 (0xFFC5499B)
YUV	119.4240, 17.5390, 68.0342
Hunter-Lab	43.5913, 51.9862, -14.4074

Details

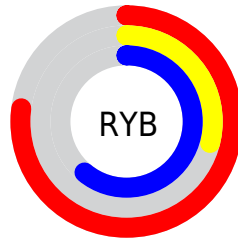
The XYZ color **31.3249, 19.0020, 33.0271** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **25.8094, 42.5874, 23.0816**, and the grayscale version is **17.6054, 18.5222, 20.1707**.

A 20% lighter version of the original color is **60.7231, 41.6137, 65.8045**, and **13.3139, 6.5749, 13.6641** is the 20% darker color. If you saturate the color by 10%, you get **29.6845, 16.5932, 29.7914**, and if you desaturate by 10%, it is **33.4073, 22.2448, 36.5633**.

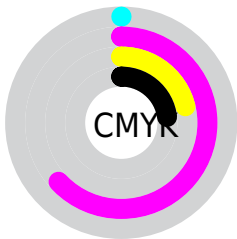
Distribution



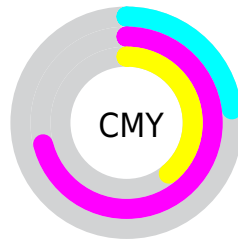
- Red (77%)
- Green (29%)
- Blue (61%)



- Red (77%)
- Yellow (29%)
- Blue (61%)



- Cyan (0%)
- Magenta (63%)
- Yellow (21%)
- Black (23%)





- Cyan (23%)
- Magenta (71%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3249, 19.0020, 33.0271 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 31.3249, 19.0020, 33.0271 by changing the saturation by 10% instead.

 31.3249, 19.0020,
33.0271


 31.3249, 19.0020,
33.0271


299.8326,
246.4598, 330.4076


 20.9994, 11.6717,
21.8759


 61.1236, 41.7375,
65.5343


 13.2360, 6.5206,
13.5683


 81.3275, 57.9115,
87.7275


 7.6694, 3.1641,
7.6857


 105.5550, 77.8022,
114.4383

 3.9342, 1.2180,
3.8096

 134.1713,
101.7939, 146.0855

 1.6650, 0.0763,
1.5215

 167.5419,
130.2712, 183.0874

 0.4342, 0.0000,
0.2339

206.0320,

 0.0000, 0.0000,

163.6183, 225.8627

0.0000

250.0072,
202.2197, 274.8299

■ 31.3249, 19.0020,
33.0271

■ 31.3249, 19.0020,
33.0271

■ 29.6845, 16.5932,
29.7914

■ 33.4073, 22.2448,
36.5633

■ 28.4435, 14.9347,
26.8390

■ 35.9655, 26.3888,
40.4132

■ 27.5537, 13.9307,
24.1516

■ 39.0316, 31.4979,
44.5899

■ 27.0735, 13.4894,
22.3914

■ 42.6347, 37.6290,
49.1054

■ 46.8015, 44.8348,
53.9709

■ 51.5567, 53.1643,
59.1967

■ 56.9238, 62.6634,
64.7929

■ 62.9247, 73.3756,
70.7689

■ 69.5803, 85.3420,
77.1337

Harmonies

Analogous

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



26.8106, 19.0020, 56.5245



31.3249, 19.0020, 33.0271



31.8556, 19.0020, 14.7956

Triad

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



31.3249, 19.0020, 33.0271



15.8644, 19.0020, 2.2800



10.7361, 19.0020, 51.1170

Complementary

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



31.3249, 19.0020, 33.0271



25.8094, 42.5874, 23.0816

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.



8.9647, 19.0020, 27.9726



31.3249, 19.0020, 33.0271



11.4577, 19.0020, 4.5149

Square

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



31.3249, 19.0020, 33.0271



21.9694, 19.0020, 2.5292



9.1958, 19.0020, 11.8858



14.6457, 19.0020, 70.3473

Rectangle

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



31.3249, 19.0020, 33.0271



29.7654, 19.0020, 7.8058



9.1958, 19.0020, 11.8858



9.9144, 19.0020, 43.1283

Sweetspot

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



31.3255, 19.0030, 33.0275



78.9632, 71.8756, 91.0547



19.4446, 12.3974, 54.1916



16.4555, 14.6164, 18.9588



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.



31.3255, 19.0030, 33.0275



52.1433, 28.3084, 51.0620



27.4148, 17.4387, 12.4339



10.9245, 10.7532, 12.5858



17.8477, 8.8887, 14.9400



0.8779, 0.4340, 0.8804

Inverse Universe

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



31.3255, 19.0030, 33.0275



52.1433, 28.3084, 51.0620



30.5842, 44.4973, 48.2251



10.9245, 10.7532, 12.5858



17.8477, 8.8887, 14.9400



0.8779, 0.4340, 0.8804

Previews

White Background



This preview shows how the XYZ color 31.3249, 19.0020, 33.0271 looks on a white background.

Color Contrast Check

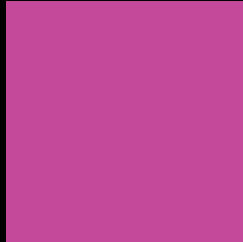
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3249, 19.0020, 33.0271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

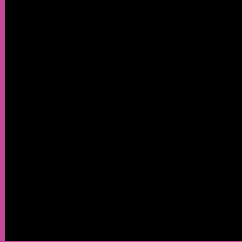
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3249, 19.0020, 33.0271

Background



This preview shows how black text looks on a background with the XYZ color 31.3249, 19.0020, 33.0271.



This preview shows how white text looks on a background with the XYZ color 31.3249, 19.0020,

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

31.3249, 19.0020, 33.0271

Protanopia

20.6104, 19.3443, 51.3627

Deuteranopia

19.6879, 19.3248, 30.7094



Tritanopia

26.9960, 18.8640, 12.8079

Trichromacy



Original Color

31.3249, 19.0020, 33.0271



Protanomaly

22.2029, 17.5826, 43.8185



Deuteranomaly

22.5500, 18.0330, 31.5704



Tritanomaly

28.2380, 18.7849, 18.6605

Monochromacy



Original Color

31.3249, 19.0020, 33.0271



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

20.9489, 17.3717, 24.0787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3249, 19.0020, 33.0271 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(197, 73, 155)` looks like.

```
.text, #text, p{  
    color:rgb(197, 73, 155)  
}
```

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(197, 73, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 73, 155) }
```

Border

The CSS property to change the border of an element to XYZ 31.3249, 19.0020, 33.0271 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(197, 73, 155) }
```


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

```
.border{ border-color:rgb(197, 73, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 73, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 73, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 73, 155);  
box-shadow:4px 4px 4px 4px rgb(197, 73,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3249, 19.0020, 33.0271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 73, 155) }
```

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

```
.background{ background-color: rgb(197, 73,  
155) }
```

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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