

Converting Colors

XYZ(27.2598, 13.3609, 33.0475)

Have a look what the booklet for
XYZ(27.2598, 13.3609, 33.0475)
contains.

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Color

**XYZ(27.3319, 13.4032,
33.0448)**

Conversions

Conversions Part 1

Format	Color
Hex	BE019D
RGB	190, 1, 157
RGB Percent	75%, 0%, 62%
CMY	0.2549, 0.9960, 0.3843
CMYK	0.00, 0.99, 0.17, 0.25
HSL	310°, 99%, 37%
HSV	310°, 99%, 75%
XYZ	27.3319, 13.4032, 33.0448
YIQ	75.2950, 62.5680, 88.5840

Conversions

Conversions Part 2

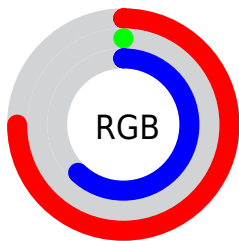
Format	Color
RYB	190, 1, 157
Decimal	12452253
CIELab	43.36, 74.14, -32.05
CIElCh	43, 80.774, 336.622
Yxy	13.4032, 0.3705, 0.1817
Android (android.graphics.Color)	4290642333 (0xFFBE019D)
YUV	75.2950, 40.2806, 100.5963
Hunter-Lab	36.6104, 69.1931, -27.8883

Details

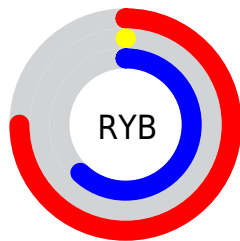
The XYZ color **27.3319, 13.4032, 33.0448** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.7156, 36.9495, 7.6611**, and the grayscale version is **6.6655, 7.0127, 7.6368**.

A 20% lighter version of the original color is **54.7977, 32.0569, 65.5868**, and **12.0655, 5.9255, 13.8724** is the 20% darker color. If you saturate the color by 10%, you get **27.3059, 13.3754, 32.9606**, and if you desaturate by 10%, it is **27.8591, 13.9978, 34.6374**.

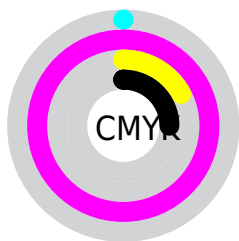
Distribution



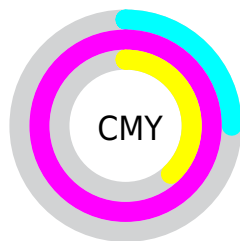
- Red (75%)
- Green (0%)
- Blue (62%)



- Red (75%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (99%)
- Yellow (17%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3319, 13.4032, 33.0448 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 27.3319, 13.4032, 33.0448 by changing the saturation by 10% instead.


 27.3319, 13.4032,
33.0448


 27.3319, 13.4032,
33.0448


281.3989,
213.4858, 330.4898

 17.9605, 7.7068,
21.8894


 54.8321, 32.0263,
65.5623

 11.0212, 3.9079,
13.5781


 73.6917, 45.7217,
87.7614


 6.1485, 1.6222,
7.6924


 96.4447, 62.8523,
114.4789

 2.9771, 0.3725,
3.8138

 123.4565, 83.8024,
146.1332

 1.1417, 0.0000,
1.5238

 155.0925,
108.9564, 183.1429

 0.0595, 0.0000,
0.2355

 191.7180,

 0.0000, 0.0000,

138.6987, 225.9265

0.0000

233.6983,
173.4137, 274.9026

■ 27.3319, 13.4032,
33.0448

■ 27.3319, 13.4032,
33.0448

■ 27.3059, 13.3754,
32.9606

■ 27.8591, 13.9978,
34.6374

■ 28.6299, 15.0673,
36.3493

■ 29.7207, 16.7645,
38.2065

■ 31.1727, 19.1716,
40.2229

■ 33.0209, 22.3582,
42.4105

■ 35.2960, 26.3859,
44.7797

■ 38.0257, 31.3099,
47.3402

■ 41.2353, 37.1807,
50.1006

■ 44.9483, 44.0452,
53.0690

Harmonies

Analogous

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



21.3764, 13.4032, 63.5965



27.3319, 13.4032, 33.0448



28.8736, 13.4032, 10.9610

Triad

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



27.3319, 13.4032, 33.0448



11.3981, 13.4032, 0.0000



5.3026, 13.4032, 46.4304

Complementary

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



27.3319, 13.4032, 33.0448



18.7156, 36.9495, 7.6611

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.



4.1205, 13.4032, 18.9518



27.3319, 13.4032, 33.0448



6.8127, 13.4032, 0.6948

Square

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



27.3319, 13.4032, 33.0448



18.1510, 13.4032, 0.0436



4.5642, 13.4032, 4.7290



8.5269, 13.4032, 74.8300

Rectangle

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



27.3319, 13.4032, 33.0448



26.8546, 13.4032, 3.9410



4.5642, 13.4032, 4.7290



4.7114, 13.4032, 36.1968

Sweetspot

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



27.3324, 13.4039, 33.0450



68.3603, 55.7437, 85.2938



9.9176, 4.0556, 48.9757



14.5329, 11.3754, 18.2886



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.



27.3324, 13.4039, 33.0450



49.3990, 24.2049, 59.2927



22.1725, 11.3399, 5.8735



9.8565, 9.6669, 11.6333



18.1825, 8.9042, 22.0526



0.7313, 0.3564, 0.9645

Inverse Universe

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



27.3324, 13.4039, 33.0450



49.3990, 24.2049, 59.2927



22.2579, 38.3664, 26.3144



9.8565, 9.6669, 11.6333



18.1825, 8.9042, 22.0526



0.7313, 0.3564, 0.9645

Previews

White Background



This preview shows how the XYZ color 27.3319, 13.4032, 33.0448 looks on a white background.

Color Contrast Check

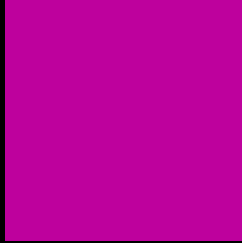
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3319, 13.4032, 33.0448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

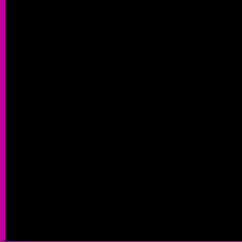
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.3319, 13.4032, 33.0448

Background



This preview shows how black text looks on a background with the XYZ color 27.3319, 13.4032, 33.0448.



This preview shows how white text looks on a background with the XYZ color 27.3319, 13.4032,

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

27.3319, 13.4032, 33.0448

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.4332, 14.1809, 29.5802



Tritanopia

21.9682, 13.7720, 6.5014

Trichromacy



Original Color

27.3319, 13.4032, 33.0448



Protanomaly

14.0821, 8.9408, 52.0225



Deuteranomaly

16.1973, 10.6843, 30.4867



Tritanomaly

22.9710, 12.7137, 12.7986

Monochromacy



Original Color

27.3319, 13.4032, 33.0448



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.9429, 6.9157, 14.1227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3319, 13.4032, 33.0448 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(190, 1, 157)` looks like.

```
.text, #text, p{  
    color:rgb(190, 1, 157)  
}
```

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(190, 1, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 1, 157) }
```

Border

The CSS property to change the border of an element to XYZ 27.3319, 13.4032, 33.0448 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(190, 1, 157) }
```


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

```
.border{ border-color:rgb(190, 1, 157) }
```

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

Here you see how a box with a 4 pixel rgb(190, 1, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 1, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 1, 157);  
box-shadow:4px 4px 4px 4px rgb(190, 1,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3319, 13.4032, 33.0448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 1, 157) }
```

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

```
.background{ background-color: rgb(190, 1,  
157) }
```

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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