

Converting Colors

XYZ(33.1949, 16.4028, 33.6217)

Have a look what the booklet for
XYZ(33.1949, 16.4028, 33.6217)
contains.

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Color

**XYZ(33.3229, 16.4657,
33.7696)**

Conversions

Conversions Part 1

Format	Color
Hex	D4009E
RGB	212, 0, 158
RGB Percent	83%, 0%, 62%
CMY	0.1686, 0.9998, 0.3804
CMYK	0.00, 1.00, 0.25, 0.17
HSL	315°, 100%, 42%
HSV	315°, 100%, 83%
XYZ	33.3229, 16.4657, 33.7696
YIQ	81.4000, 75.6340, 94.0820

Conversions

Conversions Part 2

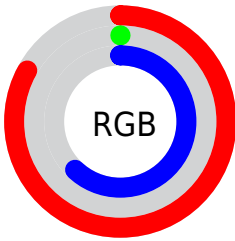
Format	Color
R_{YB}	212, 0, 158
Decimal	13893790
CIE _{Lab}	47.58, 78.51, -25.76
CIE _{LCh}	48, 82.632, 341.836
Yxy	16.4657, 0.3988, 0.1971
Android (android.graphics.Color)	4292083870 (0xFFD4009E)
YUV	81.4000, 37.7638, 114.5362
Hunter-Lab	40.5779, 75.5741, -20.9375

Details

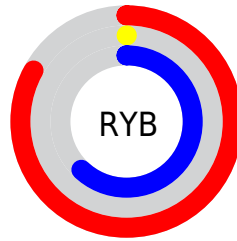
The XYZ color **33.3229, 16.4657, 33.7696** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.2108, 47.3540, 11.3593**, and the grayscale version is **7.8218, 8.2291, 8.9615**.

A 20% lighter version of the original color is **57.0774, 33.7184, 66.4508**, and **15.5504, 7.7160, 14.3054** is the 20% darker color. If you saturate the color by 10%, you get **33.3221, 16.4653, 33.7650**, and if you desaturate by 10%, it is **34.0709, 17.2011, 36.3635**.

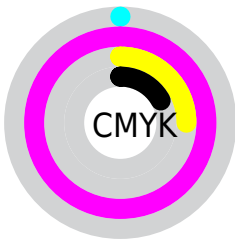
Distribution



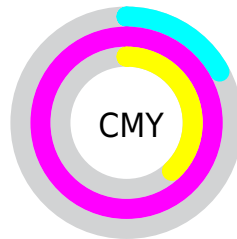
- Red (83%)
- Green (0%)
- Blue (62%)



- Red (83%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3229, 16.4657, 33.7696 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 33.3229, 16.4657, 33.7696 by changing the saturation by 10% instead.

 33.3229, 16.4657,
33.7696


 33.3229, 16.4657,
33.7696


308.7416,
232.0743, 333.8412


 22.5343, 9.8543,
22.4407


 64.2306, 37.4048,
66.7050

 14.3688, 5.3025,
13.9797


 85.0805, 52.5013,
89.1486


 8.4611, 2.4258,
7.9680


 110.0149, 71.1950,
116.1343

 4.4456, 0.8391,
3.9870

 139.3991, 93.8701,
148.0804

 1.9572, 0.0000,
1.6182

 173.5985,
120.9113, 185.4056

 0.6098, 0.0000,
0.3038

 212.9785,

 0.0000, 0.0000,

152.7027, 228.5285

0.0000

257.9044,
189.6289, 277.8675

■ 33.3229, 16.4657,
33.7696

■ 33.3229, 16.4657,
33.7696

■ 33.3221, 16.4653,
33.7650

■ 34.0709, 17.2011,
36.3635

■ 35.1380, 18.5416,
39.1658

■ 36.6245, 20.6874,
42.2112

■ 38.5854, 23.7482,
45.5192

■ 41.0672, 27.8166,
49.1066

■ 44.1107, 32.9736,
52.9881

■ 47.7525, 39.2923,
57.1771

■ 52.0261, 46.8390,
61.6858

■ 56.9624, 55.6753,
66.5257

Harmonies

Analogous

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



27.1189, 16.4657, 68.2760



33.3229, 16.4657, 33.7696



33.9968, 16.4657, 10.8319

Triad

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



33.3229, 16.4657, 33.7696



12.9223, 16.4657, 0.0810



7.2948, 16.4657, 60.8461

Complementary

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



33.3229, 16.4657, 33.7696



24.2108, 47.3540, 11.3593

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.



5.4813, 16.4657, 27.5964



33.3229, 16.4657, 33.7696



7.9794, 16.4657, 1.5104

Square

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



33.3229, 16.4657, 33.7696



20.4910, 16.4657, 0.2461



5.6847, 16.4657, 8.0269



11.6389, 16.4657, 90.6300

Rectangle

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



33.3229, 16.4657, 33.7696



31.0208, 16.4657, 3.9187



5.6847, 16.4657, 8.0269



6.4411, 16.4657, 48.9453

Sweetspot

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



33.3234, 16.4666, 33.7699



72.3293, 59.3278, 86.6237



13.3539, 5.5121, 62.6476



14.9554, 11.7814, 17.9498



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.



33.3234, 16.4666, 33.7699



50.5381, 24.9792, 50.8929



27.7952, 14.2553, 4.6584



12.8116, 12.5761, 14.9480



20.6138, 10.1818, 21.0681



1.2759, 0.6271, 1.4422

Inverse Universe

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



33.3234, 16.4666, 33.7699



50.5381, 24.9792, 50.8929



29.8029, 49.5909, 40.8068



12.8116, 12.5761, 14.9480



20.6138, 10.1818, 21.0681



1.2759, 0.6271, 1.4422

Previews

White Background



This preview shows how the XYZ color 33.3229, 16.4657, 33.7696 looks on a white background.

Color Contrast Check

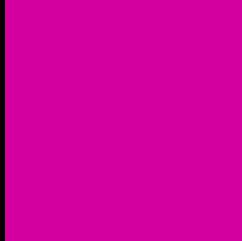
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3229, 16.4657, 33.7696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

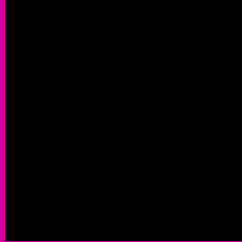
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.3229, 16.4657, 33.7696

Background



This preview shows how black text looks on a background with the XYZ color 33.3229, 16.4657, 33.7696.



This preview shows how white text looks on a background with the XYZ color 33.3229, 16.4657,

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

33.3229, 16.4657, 33.7696

Protanopia

20.4018, 17.3860, 73.5147

Deuteranopia

17.4348, 17.1365, 30.4057



Tritanopia

27.8536, 16.8060, 6.7769

Trichromacy



Original Color

33.3229, 16.4657, 33.7696



Protanomaly

18.7397, 11.7877, 56.5459



Deuteranomaly

19.8389, 13.0127, 31.1718



Tritanomaly

28.9901, 15.7618, 13.3188

Monochromacy



Original Color

33.3229, 16.4657, 33.7696



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0416, 8.2272, 15.3686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3229, 16.4657, 33.7696 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(212, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 158)  
}
```

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(212, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.3229, 16.4657, 33.7696 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(212, 0, 158) }
```


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

```
.border{ border-color:rgb(212, 0, 158) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3229, 16.4657, 33.7696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 158) }
```

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

```
.background{ background-color: rgb(212, 0,  
158) }
```

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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