

Converting Colors

XYZ(33.6111, 16.7415, 28.0346)

Have a look what the booklet for
XYZ(33.6111, 16.7415, 28.0346)
contains.

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Color

**XYZ(33.6493, 16.7653,
27.8481)**

Conversions

Conversions Part 1

Format	Color
Hex	D90090
RGB	217, 0, 144
RGB Percent	85%, 0%, 56%
CMY	0.1490, 0.9998, 0.4353
CMYK	0.00, 1.00, 0.34, 0.15
HSL	320°, 100%, 43%
HSV	320°, 100%, 85%
XYZ	33.6493, 16.7653, 27.8481
YIQ	81.2990, 83.1080, 90.7880

Conversions

Conversions Part 2

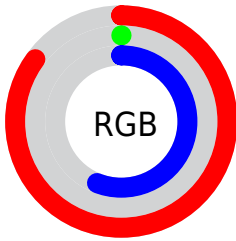
Format	Color
RYB	217, 0, 144
Decimal	14221456
CIELab	47.96, 78.01, -16.67
CIElCh	48, 79.771, 347.937
Yxy	16.7653, 0.4300, 0.2142
Android (android.graphics.Color)	4292411536 (0xFFD90090)
YUV	81.2990, 30.9116, 119.0098
Hunter-Lab	40.9455, 75.0382, -11.6629

Details

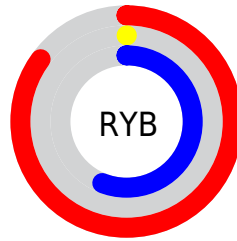
The XYZ color **33.6493, 16.7653, 27.8481** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **26.0173, 50.1076, 14.6109**, and the grayscale version is **7.8139, 8.2208, 8.9525**.

A 20% lighter version of the original color is **55.2602, 32.9915, 56.8815**, and **15.7307, 7.8761, 11.2808** is the 20% darker color. If you saturate the color by 10%, you get **33.6483, 16.7649, 27.8427**, and if you desaturate by 10%, it is **34.5077, 17.5599, 30.9774**.

Distribution



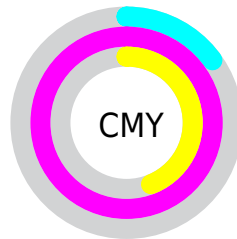
- Red (85%)
- Green (0%)
- Blue (56%)



- Red (85%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6493, 16.7653, 27.8481 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 33.6493, 16.7653, 27.8481 by changing the saturation by 10% instead.


 33.6493, 16.7653,
27.8481


 33.6493, 16.7653,
27.8481

310.1790,
233.8162, 305.6294

 22.7859, 10.0673,
17.9731


 64.7358, 37.9218,
57.2620

 14.5553, 5.4436,
10.7615


 85.6897, 53.1491,
77.6381


 8.5922, 2.5098,
5.7945


 110.7378, 71.9883,
102.3515

 4.5311, 0.8815,
2.6538

 140.2455, 94.8237,
131.8210

 2.0068, 0.0000,
0.9200

 174.5781,
122.0398, 166.4650

 0.6378, 0.0000,
0.0000

 214.1010,

 0.0000, 0.0000,

154.0210, 206.7020

0.0000

259.1795,
191.1517, 252.9506

■ 33.6493, 16.7653,
27.8481

■ 33.6493, 16.7653,
27.8481

■ 33.6483, 16.7649,
27.8427

■ 34.5077, 17.5599,
30.9774

■ 35.7189, 19.0012,
34.4056

■ 37.3879, 21.2982,
38.1708

■ 39.5734, 24.5675,
42.2959

■ 42.3251, 28.9073,
46.8003

■ 45.6865, 34.4037,
51.7014

■ 49.6967, 41.1341,
57.0152

■ 54.3915, 49.1690,
62.7565

■ 59.8039, 58.5737,
68.9390

Harmonies

Analogous

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



28.5673, 16.7653, 59.7317



33.6493, 16.7653, 27.8481



33.0492, 16.7653, 8.5710

Triad

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



33.6493, 16.7653, 27.8481



12.0436, 16.7653, 0.4755



8.3485, 16.7653, 66.2830

Complementary

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



33.6493, 16.7653, 27.8481



26.0173, 50.1076, 14.6109

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.



6.0656, 16.7653, 33.3732



33.6493, 16.7653, 27.8481



7.7141, 16.7653, 2.4991

Square

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



33.6493, 16.7653, 27.8481



19.0040, 16.7653, 0.3276



5.8749, 16.7653, 11.1642



13.2154, 16.7653, 90.8558

Rectangle

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



33.6493, 16.7653, 27.8481



29.5226, 16.7653, 3.1257



5.8749, 16.7653, 11.1642



7.3260, 16.7653, 55.0435

Sweetspot

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



33.6498, 16.7662, 27.8484



71.4393, 58.9718, 81.9368



15.2243, 6.4023, 66.0791



14.7420, 11.6961, 16.8262



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.



33.6498, 16.7662, 27.8484



48.4203, 24.1321, 39.7410



28.9373, 14.8812, 3.0324



13.4185, 13.1965, 15.4649



20.4199, 10.1690, 17.1233



1.3624, 0.6746, 1.3175

Inverse Universe

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



33.6498, 16.7662, 27.8484



48.4203, 24.1321, 39.7410



33.1375, 52.9557, 52.1051



13.4185, 13.1965, 15.4649



20.4199, 10.1690, 17.1233



1.3624, 0.6746, 1.3175

Previews

White Background



This preview shows how the XYZ color 33.6493, 16.7653, 27.8481 looks on a white background.

Color Contrast Check

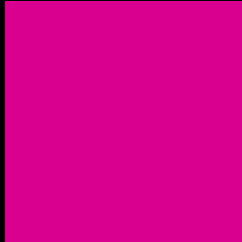
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6493, 16.7653, 27.8481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

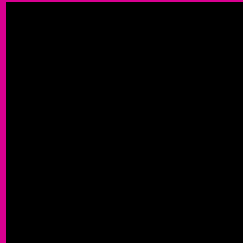
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.6493, 16.7653, 27.8481

Background



This preview shows how black text looks on a background with the XYZ color 33.6493, 16.7653, 27.8481.



This preview shows how white text looks on a background with the XYZ color 33.6493, 16.7653,

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

33.6493, 16.7653, 27.8481

Protanopia

19.7182, 17.6442, 60.7589

Deuteranopia

17.6794, 17.3830, 24.9777



Tritanopia

29.1165, 17.0909, 5.9019

Trichromacy



Original Color

33.6493, 16.7653, 27.8481



Protanomaly

19.3221, 12.4136, 46.1774



Deuteranomaly

20.2312, 13.3397, 25.5533



Tritanomaly

29.9169, 16.1461, 11.2126

Monochromacy



Original Color

33.6493, 16.7653, 27.8481



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9326, 8.2013, 13.9981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6493, 16.7653, 27.8481 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(217, 0, 144)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 144)  
}
```

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(217, 0, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 144) }
```

Border

The CSS property to change the border of an element to XYZ 33.6493, 16.7653, 27.8481 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(217, 0, 144) }
```


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

```
.border{ border-color:rgb(217, 0, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 0, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 144);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6493, 16.7653, 27.8481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 144) }
```

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

```
.background{ background-color: rgb(217, 0,  
144) }
```

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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