

Converting Colors

XYZ(33.2872, 16.8952, 17.1275)

Have a look what the booklet for
XYZ(33.2872, 16.8952, 17.1275)
contains.

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Color

**XYZ(33.1591, 16.8304,
17.1237)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0571
RGB	222, 5, 113
RGB Percent	87%, 2%, 44%
CMY	0.1294, 0.9802, 0.5569
CMYK	0.00, 0.98, 0.49, 0.13
HSL	330°, 96%, 45%
HSV	330°, 98%, 87%
XYZ	33.1591, 16.8304, 17.1237
YIQ	82.1950, 94.6640, 79.5920

Conversions

Conversions Part 2

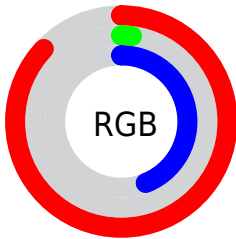
Format	Color
RYB	222, 5, 113
Decimal	14550385
CIELab	48.05, 75.93, 2.47
CIElCh	48, 75.967, 1.862
Yxy	16.8304, 0.4941, 0.2508
Android (android.graphics.Color)	4292740465 (0xFFDE0571)
YUV	82.1950, 15.1869, 122.6090
Hunter-Lab	41.0249, 72.4824, 3.9699

Details

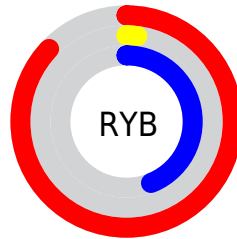
The XYZ color **33.1591, 16.8304, 17.1237** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **29.2244, 53.4909, 24.7185**, and the grayscale version is **8.0217, 8.4395, 9.1906**.

A 20% lighter version of the original color is **51.9459, 31.8053, 38.9985**, and **15.4806, 7.8669, 5.8568** is the 20% darker color. If you saturate the color by 10%, you get **32.9639, 16.6655, 16.3639**, and if you desaturate by 10%, it is **34.1696, 17.7840, 20.7516**.

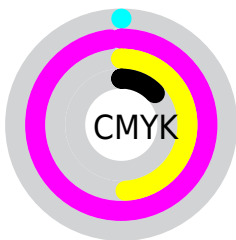
Distribution



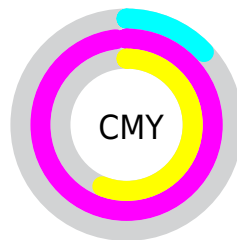
- Red (87%)
- Green (2%)
- Blue (44%)



- Red (87%)
- Yellow (2%)
- Blue (44%)



- Cyan (0%)
- Magenta (98%)
- Yellow (49%)
- Black (13%)





- Cyan (13%)
- Magenta (98%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1591, 16.8304, 17.1237 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 33.1591, 16.8304, 17.1237 by changing the saturation by 10% instead.


 33.1591, 16.8304,
17.1237


 33.1591, 16.8304,
17.1237


308.0184,
234.1931, 247.9523


 22.4082, 10.1136,
10.1598


 63.9769, 38.0339,
39.3319


 14.2754, 5.4744,
5.3981


 84.7744, 53.2895,
55.4133


 8.3954, 2.5282,
2.4199


 109.6515, 72.1602,
75.3710

 4.4029, 0.8907,
0.7972

 138.9736, 95.0303,
99.6235

 1.9325, 0.0000,
0.0000

 173.1060,
122.2842, 128.5893

 0.5956, 0.0000,
0.0000

 212.4140,

 0.0000, 0.0000,

154.3064, 162.6870

0.0000

257.2630,
191.4812, 202.3352

■ 33.1591, 16.8304,
17.1237

■ 33.1591, 16.8304,
17.1237

■ 32.9639, 16.6655,
16.3639

■ 34.1696, 17.7840,
20.7516

■ 35.6361, 19.5218,
24.9252

■ 37.6431, 22.2087,
29.6853

■ 40.2518, 25.9634,
35.0641

■ 43.5148, 30.8874,
41.0905

■ 47.4785, 37.0700,
47.7911

■ 52.1851, 44.5919,
55.1904

■ 57.6730, 53.5268,
63.3114

■ 63.9781, 63.9433,
72.1760

Harmonies

Analogous

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



30.6967, 16.8304, 42.5745



33.1591, 16.8304, 17.1237



30.0388, 16.8304, 4.7331

Triad

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



33.1591, 16.8304, 17.1237



9.9892, 16.8304, 1.3164



10.5421, 16.8304, 76.0013

Complementary

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



33.1591, 16.8304, 17.1237



29.2244, 53.4909, 24.7185

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.



7.1977, 16.8304, 46.4188



33.1591, 16.8304, 17.1237



6.9487, 16.8304, 5.6500

Square

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



33.1591, 16.8304, 17.1237



15.5715, 16.8304, 0.4831



6.0951, 16.8304, 19.5821



16.4298, 16.8304, 88.0765

Rectangle

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



33.1591, 16.8304, 17.1237



25.6168, 16.8304, 1.7710



6.0951, 16.8304, 19.5821



9.1487, 16.8304, 67.0728

Sweetspot

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



33.1595, 16.8314, 17.1240



70.4088, 59.3820, 73.9753



20.1173, 8.9291, 69.7702



14.4647, 11.7395, 14.8897



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.



33.1595, 16.8314, 17.1240



45.0632, 22.7893, 22.0628



30.2066, 15.6502, 1.5737



13.9902, 13.8137, 15.7186



19.6361, 9.9214, 10.0152



1.4063, 0.7058, 0.9322

Inverse Universe

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



33.1595, 16.8314, 17.1240



45.0632, 22.7893, 22.0628



39.3691, 57.5489, 78.1401



13.9902, 13.8137, 15.7186



19.6361, 9.9214, 10.0152



1.4063, 0.7058, 0.9322

Previews

White Background



This preview shows how the XYZ color 33.1591, 16.8304, 17.1237 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 33.1591, 16.8304, 17.1237 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 33.1591, 16.8304, 17.1237

Background



This preview shows how black text looks on a background with the XYZ color 33.1591, 16.8304, 17.1237.



This preview shows how white text looks on a background with the XYZ color 33.1591, 16.8304,

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

33.1591, 16.8304, 17.1237

Protanopia

17.9950, 17.4457, 37.0692

Deuteranopia

17.5432, 17.1936, 15.4908



Tritanopia

30.6255, 17.1263, 4.1742

Trichromacy



Original Color

33.1591, 16.8304, 17.1237



Protanomaly

19.2367, 12.9616, 28.2760



Deuteranomaly

20.2810, 13.5888, 15.4639



Tritanomaly

31.0850, 16.5864, 7.3575

Monochromacy



Original Color

33.1591, 16.8304, 17.1237



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

12.9678, 8.4152, 11.2967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1591, 16.8304, 17.1237 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(222, 5, 113)` looks like.

```
.text, #text, p{  
    color:rgb(222, 5, 113)  
}
```

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(222, 5, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 5, 113) }
```

Border

The CSS property to change the border of an element to XYZ 33.1591, 16.8304, 17.1237 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(222, 5, 113) }
```


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

```
.border{ border-color:rgb(222, 5, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 5, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 5, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 5, 113);  
box-shadow:4px 4px 4px 4px rgb(222, 5,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1591, 16.8304, 17.1237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 5, 113) }
```

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

```
.background{ background-color: rgb(222, 5,  
113) }
```

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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