

Converting Colors

XYZ(33.0380, 16.6898, 16.9932)

Have a look what the booklet for
XYZ(33.0380, 16.6898, 16.9932)
contains.

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Color

**XYZ(33.1048, 16.7218,
17.1056)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0071
RGB	222, 0, 113
RGB Percent	87%, 0%, 44%
CMY	0.1294, 0.9998, 0.5569
CMYK	0.00, 1.00, 0.49, 0.13
HSL	329°, 100%, 44%
HSV	329°, 100%, 87%
XYZ	33.1048, 16.7218, 17.1056
YIQ	79.2600, 96.0390, 82.2070

Conversions

Conversions Part 2

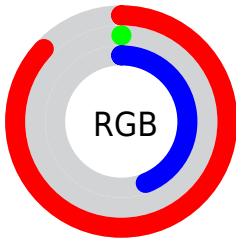
Format	Color
R_{YB}	222, 0, 113
Decimal	14549105
CIE _{Lab}	47.91, 76.33, 2.27
CIE _{LCh}	48, 76.363, 1.702
Yxy	16.7218, 0.4946, 0.2498
Android (android.graphics.Color)	4292739185 (0xFFDE0071)
YUV	79.2600, 16.6338, 125.1830
Hunter-Lab	40.8923, 72.9451, 3.8231

Details

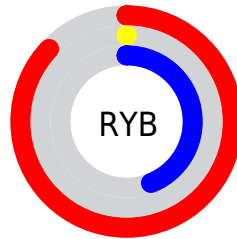
The XYZ color **33.1048, 16.7218, 17.1056** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.8845, 53.3478, 23.2556**, and the grayscale version is **7.4427, 7.8303, 8.5271**.

A 20% lighter version of the original color is **51.8587, 31.6309, 38.9694**, and **15.4806, 7.8669, 5.8568** is the 20% darker color. If you saturate the color by 10%, you get **33.1035, 16.7213, 17.0990**, and if you desaturate by 10%, it is **34.0476, 17.5656, 20.6324**.

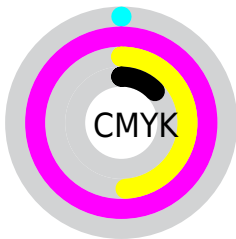
Distribution



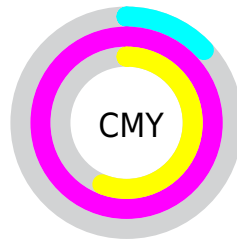
- Red (87%)
- Green (0%)
- Blue (44%)



- Red (87%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1048, 16.7218, 17.1056 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 33.1048, 16.7218, 17.1056 by changing the saturation by 10% instead.


 33.1048, 16.7218,
17.1056


 33.1048, 16.7218,
17.1056


307.7783,
233.5641, 247.8447


 22.3664, 10.0363,
10.1471


 63.8927, 37.8468,
39.3004


 14.2445, 5.4231,
5.3897


 84.6729, 53.0552,
55.3737


 8.3737, 2.4976,
2.4150


 109.5310, 71.8733,
75.3224

 4.3888, 0.8754,
0.7946

 138.8324, 94.6856,
99.5649

 1.9244, 0.0000,
0.0000

 172.9425,
121.8764, 128.5199

 0.5909, 0.0000,
0.0000

 212.2266,

 0.0000, 0.0000,

153.8301, 162.6058

0.0000

257.0501,
190.9312, 202.2412

■ 33.1048, 16.7218,
17.1056

■ 33.1048, 16.7218,
17.1056

■ 33.1035, 16.7213,
17.0990

■ 34.0476, 17.5656,
20.6324

■ 35.4009, 19.1081,
24.6720

■ 37.2758, 21.5681,
29.2731

■ 39.7361, 25.0696,
34.4682

■ 42.8359, 29.7174,
40.2858

■ 46.6228, 35.6029,
46.7522

■ 51.1394, 42.8087,
53.8915

■ 56.4249, 51.4098,
61.7263

■ 62.5156, 61.4758,
70.2780

Harmonies

Analogous

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



30.6038, 16.7218, 42.6938



33.1048, 16.7218, 17.1056



30.0001, 16.7218, 4.6796

Triad

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



33.1048, 16.7218, 17.1056



9.9102, 16.7218, 1.2582



10.4150, 16.7218, 76.0153

Complementary

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



33.1048, 16.7218, 17.1056



28.8845, 53.3478, 23.2556

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.



7.0917, 16.7218, 46.2249



33.1048, 16.7218, 17.1056



6.8649, 16.7218, 5.5120

Square

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



33.1048, 16.7218, 17.1056



15.5041, 16.7218, 0.4383



6.0043, 16.7218, 19.3551



16.2895, 16.7218, 88.3104

Rectangle

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



33.1048, 16.7218, 17.1056



25.5733, 16.7218, 1.7275



6.0043, 16.7218, 19.3551



9.0286, 16.7218, 67.0042

Sweetspot

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



33.1052, 16.7228, 17.1059



69.8407, 58.3324, 73.5186



19.2877, 8.4208, 69.7158



14.3620, 11.5440, 14.8248



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.



33.1052, 16.7228, 17.1059



45.2540, 22.8656, 23.0673



30.1451, 15.5387, 1.5180



13.9969, 13.8164, 15.7537



19.7192, 9.9547, 10.4532



1.4120, 0.7081, 0.9627

Inverse Universe

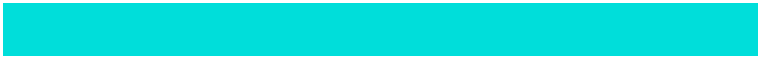
The Inverse Universe completely reimagines the original color for something new.



33.1052, 16.7228, 17.1059



45.2540, 22.8656, 23.0673



38.8160, 57.3204, 75.5541



13.9969, 13.8164, 15.7537



19.7192, 9.9547, 10.4532



1.4120, 0.7081, 0.9627

Previews

White Background



This preview shows how the XYZ color 33.1048, 16.7218, 17.1056 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 33.1048, 16.7218, 17.1056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

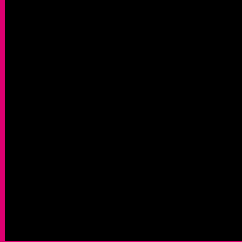
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.1048, 16.7218, 17.1056

Background



This preview shows how black text looks on a background with the XYZ color 33.1048, 16.7218, 17.1056.



This preview shows how white text looks on a background with the XYZ color 33.1048, 16.7218,

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

33.1048, 16.7218, 17.1056

Protanopia

17.8837, 17.3883, 37.0640

Deuteranopia

17.5432, 17.1936, 15.4908



Tritanopia

30.6255, 17.1263, 4.1742

Trichromacy



Original Color

33.1048, 16.7218, 17.1056



Protanomaly

18.9950, 12.7387, 28.2457



Deuteranomaly

20.2169, 13.4605, 15.4425



Tritanomaly

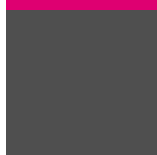
31.0601, 16.5366, 7.3492

Monochromacy



Original Color

33.1048, 16.7218, 17.1056



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.3890, 7.8618, 10.7620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1048, 16.7218, 17.1056 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, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 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, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 33.1048, 16.7218, 17.1056 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, 0, 113) }
```


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

```
.border{ border-color:rgb(222, 0, 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, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1048, 16.7218, 17.1056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 113) }
```

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

```
.background{ background-color: rgb(222, 0,  
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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