

Converting Colors

XYZ(33.2150, 16.4773, 30.7245)

Have a look what the booklet for
XYZ(33.2150, 16.4773, 30.7245)
contains.

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Color

**XYZ(33.3175, 16.5305,
30.7128)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | D60097 |
| RGB | 214, 0, 151 |
| RGB Percent | 84%, 0%, 59% |
| CMY | 0.1608, 0.9998, 0.4078 |
| CMYK | 0.00, 1.00, 0.29, 0.16 |
| HSL | 318°, 100%, 42% |
| HSV | 318°, 100%, 84% |
| XYZ | 33.3175, 16.5305, 30.7128 |
| YIQ | 81.2000, 79.0730, 92.3290 |

Conversions

Conversions Part 2

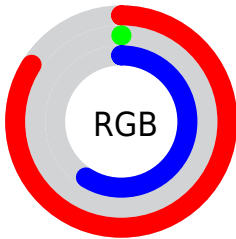
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 214, 0, 151 |
| Decimal | 14024855 |
| CIE _{Lab} | 47.66, 78.14, -21.40 |
| CIE _{LCh} | 48, 81.014, 344.683 |
| Yxy | 16.5305, 0.4136, 0.2052 |
| Android (android.graphics.Color) | 4292214935 (0xFFD60097) |
| YUV | 81.2000, 34.4114, 116.4656 |
| Hunter-Lab | 40.6577, 75.1232, -16.3272 |

Details

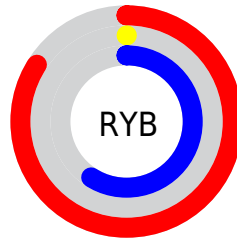
The XYZ color **33.3175, 16.5305, 30.7128** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.9454, 48.4529, 12.7459**, and the grayscale version is **7.7880, 8.1936, 8.9228**.

A 20% lighter version of the original color is **56.0866, 33.3221, 61.2333**, and **15.6267, 7.7901, 12.7366** is the 20% darker color. If you saturate the color by 10%, you get **33.3167, 16.5302, 30.7081**, and if you desaturate by 10%, it is **34.1195, 17.2934, 33.5730**.

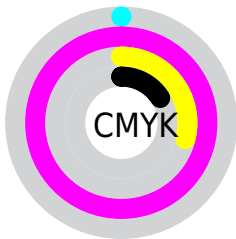
Distribution



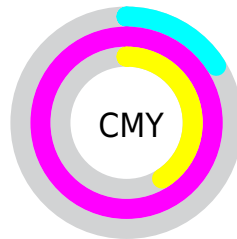
- Red (84%)
- Green (0%)
- Blue (59%)



- Red (84%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3175, 16.5305, 30.7128 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 33.3175, 16.5305, 30.7128 by changing the saturation by 10% instead.

 33.3175, 16.5305,
30.7128


 33.3175, 16.5305,
30.7128


308.7177,
232.4521, 319.5231

 22.5302, 9.9003,
20.1236


 64.2223, 37.5168,
61.8619


 14.3658, 5.3329,
12.3000


 85.0704, 52.6416,
83.2589


 8.4589, 2.4439,
6.8233


 110.0029, 71.3668,
109.0956

 4.4442, 0.8483,
3.2751

 139.3851, 94.0768,
139.7905

 1.9564, 0.0000,
1.2367

 173.5823,
121.1559, 175.7621

 0.6093, 0.0000,
0.0091

 212.9599,

 0.0000, 0.0000,

152.9886, 217.4291

0.0000

257.8833,
189.9592, 265.2099

■ 33.3175, 16.5305,
30.7128

■ 33.3175, 16.5305,
30.7128

■ 33.3167, 16.5302,
30.7081

■ 34.1195, 17.2934,
33.5730

■ 35.2547, 18.6782,
36.6812

■ 36.8251, 20.8886,
40.0735

■ 38.8874, 24.0369,
43.7706

■ 41.4893, 28.2180,
47.7905

■ 44.6726, 33.5150,
52.1490

■ 48.4749, 40.0025,
56.8603

■ 52.9306, 47.7487,
61.9379

■ 58.0715, 56.8165,
67.3940

Harmonies

Analogous

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



27.6690, 16.5305, 63.8067



33.3175, 16.5305, 30.7128



33.3834, 16.5305, 9.6693

Triad

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



33.3175, 16.5305, 30.7128



12.4419, 16.5305, 0.2663



7.7491, 16.5305, 63.0839

Complementary

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



33.3175, 16.5305, 30.7128



24.9454, 48.4529, 12.7459

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.



5.7289, 16.5305, 30.1081



33.3175, 16.5305, 30.7128



7.8173, 16.5305, 1.9317

Square

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



33.3175, 16.5305, 30.7128



19.6819, 16.5305, 0.2826



5.7493, 16.5305, 9.3903



12.3150, 16.5305, 90.2916

Rectangle

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



33.3175, 16.5305, 30.7128



30.1577, 16.5305, 3.5120



5.7493, 16.5305, 9.3903



6.8219, 16.5305, 51.5347

Sweetspot

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



33.3180, 16.5314, 30.7131



71.8931, 59.1534, 84.3266



14.0417, 5.8373, 64.0052



14.8507, 11.7395, 17.3983



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.



33.3180, 16.5314, 30.7131



49.4697, 24.5519, 45.2670



28.2331, 14.4974, 3.9362



12.7900, 12.5675, 14.8341



20.1852, 10.0104, 18.8112



1.2529, 0.6179, 1.3211

Inverse Universe

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



33.3180, 16.5314, 30.7131



49.4697, 24.5519, 45.2670



31.0817, 50.9074, 45.0591



12.7900, 12.5675, 14.8341



20.1852, 10.0104, 18.8112



1.2529, 0.6179, 1.3211

Previews

White Background



This preview shows how the XYZ color 33.3175, 16.5305, 30.7128 looks on a white background.

Color Contrast Check

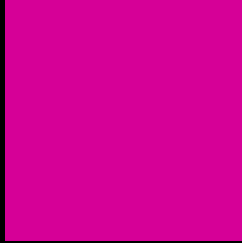
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3175, 16.5305, 30.7128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

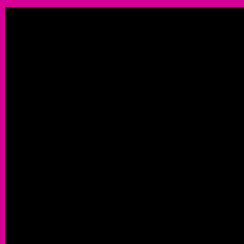
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.3175, 16.5305, 30.7128

Background



This preview shows how black text looks on a background with the XYZ color 33.3175, 16.5305, 30.7128.



This preview shows how white text looks on a background with the XYZ color 33.3175, 16.5305,

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

33.3175, 16.5305, 30.7128

Protanopia

19.9234, 17.4553, 66.6091

Deuteranopia

17.5229, 17.2441, 27.6042



Tritanopia

28.4978, 16.9894, 6.3347

Trichromacy



Original Color

33.3175, 16.5305, 30.7128



Protanomaly

18.9701, 12.0253, 51.1904



Deuteranomaly

20.0059, 13.1631, 28.2744



Tritanomaly

29.2918, 15.8960, 12.1141

Monochromacy



Original Color

33.3175, 16.5305, 30.7128



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.8828, 8.1637, 14.5324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3175, 16.5305, 30.7128 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(214, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 151)  
}
```

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(214, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 151) }
```

Border

The CSS property to change the border of an element to XYZ 33.3175, 16.5305, 30.7128 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(214, 0, 151) }
```


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

```
.border{ border-color:rgb(214, 0, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3175, 16.5305, 30.7128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 151) }
```

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

```
.background{ background-color: rgb(214, 0,  
151) }
```

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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