

Converting Colors

XYZ(33.2016, 16.8708, 17.4987)

Have a look what the booklet for
XYZ(33.2016, 16.8708, 17.4987)
contains.

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Color

**XYZ(33.2374, 16.8965,
17.4291)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0772
RGB	222, 7, 114
RGB Percent	87%, 3%, 45%
CMY	0.1294, 0.9723, 0.5529
CMYK	0.00, 0.97, 0.49, 0.13
HSL	330°, 94%, 45%
HSV	330°, 97%, 87%
XYZ	33.2374, 16.8965, 17.4291
YIQ	83.4830, 93.7930, 78.8570

Conversions

Conversions Part 2

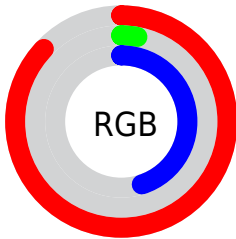
Format	Color
RYB	222, 7, 114
Decimal	14550898
CIELab	48.13, 75.84, 1.97
CIELCh	48, 75.868, 1.492
Yxy	16.8965, 0.4919, 0.2501
Android (android.graphics.Color)	4292740978 (0xFFDE0772)
YUV	83.4830, 15.0449, 121.4794
Hunter-Lab	41.1054, 72.3990, 3.6342

Details

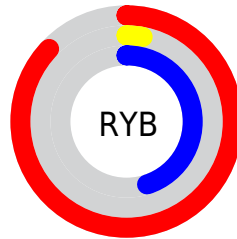
The XYZ color **33.2374, 16.8965, 17.4291** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **29.3069, 53.5268, 25.0222**, and the grayscale version is **8.2831, 8.7145, 9.4901**.

A 20% lighter version of the original color is **52.1256, 32.0186, 39.5093**, and **15.5103, 7.8788, 6.0135** is the 20% darker color. If you saturate the color by 10%, you get **32.9635, 16.6653, 16.3620**, and if you desaturate by 10%, it is **34.2811, 17.9053, 21.1030**.

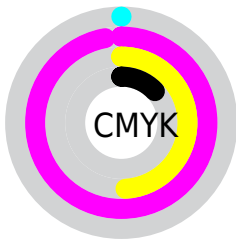
Distribution



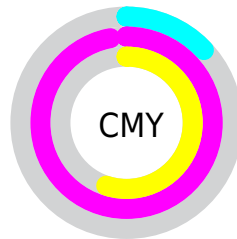
- Red (87%)
- Green (3%)
- Blue (45%)



- Red (87%)
- Yellow (3%)
- Blue (45%)



- Cyan (0%)
- Magenta (97%)
- Yellow (49%)
- Black (13%)



- Cyan (13%)
- Magenta (97%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2374, 16.8965, 17.4291 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 33.2374, 16.8965, 17.4291 by changing the saturation by 10% instead.

■ 33.2374, 16.8965,
17.4291

■ 33.2374, 16.8965,
17.4291

308.3642,
234.5752, 249.7603

■ 22.4685, 10.1607,
10.3757

■ 64.0982, 38.1477,
39.8628

■ 14.3201, 5.5057,
5.5399

■ 84.9208, 53.4320,
56.0802

■ 8.4268, 2.5469,
2.5032

■ 109.8253, 72.3345,
76.1893

■ 4.4233, 0.9000,
0.8418

■ 139.1771, 95.2397,
100.6088

■ 1.9443, 0.0000,
0.0000

■ 173.3415,
122.5320, 129.7571

■ 0.6024, 0.0000,
0.0000

■ 212.6839,

■ 0.0000, 0.0000,

154.5958, 164.0527

0.0000

257.5697,
191.8154, 203.9143

■ 33.2374, 16.8965,
17.4291

■ 33.2374, 16.8965,
17.4291

■ 32.9635, 16.6653,
16.3620

■ 34.2811, 17.9053,
21.1030

■ 35.7936, 19.7232,
25.3282

■ 37.8525, 22.5018,
30.1428

■ 40.5182, 26.3582,
35.5791

■ 43.8426, 31.3922,
41.6655

■ 47.8718, 37.6924,
48.4283

■ 52.6473, 45.3389,
55.8921

■ 58.2076, 54.4048,
64.0796

■ 64.5882, 64.9581,
73.0127

Harmonies

Analogous

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



30.7078, 16.8965, 43.0389



33.2374, 16.8965, 17.4291



30.1805, 16.8965, 4.8582

Triad

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



33.2374, 16.8965, 17.4291



10.0950, 16.8965, 1.3139



10.5389, 16.8965, 75.7763

Complementary

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



33.2374, 16.8965, 17.4291



29.3069, 53.5268, 25.0222

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.



7.2168, 16.8965, 46.1186



33.2374, 16.8965, 17.4291



7.0168, 16.8965, 5.5954

Square

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



33.2374, 16.8965, 17.4291



15.7179, 16.8965, 0.4991



6.1358, 16.8965, 19.4009



16.4063, 16.8965, 88.1620

Rectangle

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



33.2374, 16.8965, 17.4291



25.7802, 16.8965, 1.8267



6.1358, 16.8965, 19.4009



9.1531, 16.8965, 66.7925

Sweetspot

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



33.2378, 16.8975, 17.4294



70.4085, 59.3819, 73.9737



20.2693, 9.0397, 69.7834



14.4646, 11.7395, 14.8893



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.



33.2378, 16.8975, 17.4294



45.0627, 22.7891, 22.0602



30.2392, 15.6980, 1.6387



13.9902, 13.8137, 15.7185



19.6358, 9.9213, 10.0141



1.4062, 0.7058, 0.9321

Inverse Universe

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



33.2378, 16.8975, 17.4294



45.0627, 22.7891, 22.0602



39.3941, 57.5617, 78.1411



13.9902, 13.8137, 15.7185



19.6358, 9.9213, 10.0141



1.4062, 0.7058, 0.9321

Previews

White Background



This preview shows how the XYZ color 33.2374, 16.8965, 17.4291 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 33.2374, 16.8965, 17.4291 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 33.2374, 16.8965, 17.4291

Background



This preview shows how black text looks on a background with the XYZ color 33.2374, 16.8965, 17.4291.



This preview shows how white text looks on a background with the XYZ color 33.2374, 16.8965,

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

33.2374, 16.8965, 17.4291

Protanopia

17.9737, 17.4243, 37.5379

Deuteranopia

17.7040, 17.4336, 15.7965



Tritanopia

30.6836, 17.2113, 4.2897

Trichromacy



Original Color

33.2374, 16.8965, 17.4291



Protanomaly

19.2060, 13.0368, 28.6982



Deuteranomaly

20.4654, 13.8728, 15.7864



Tritanomaly

31.1690, 16.7036, 7.5426

Monochromacy



Original Color

33.2374, 16.8965, 17.4291



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.3112, 8.7229, 11.8086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2374, 16.8965, 17.4291 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, 7, 114)` looks like.

```
.text, #text, p{  
    color:rgb(222, 7, 114)  
}
```

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, 7, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 7, 114) }
```

Border

The CSS property to change the border of an element to XYZ 33.2374, 16.8965, 17.4291 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, 7, 114) }
```


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

```
.border{ border-color:rgb(222, 7, 114) }
```

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

Here you see how a box with a 4 pixel rgb(222, 7, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 7, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 7, 114);  
box-shadow:4px 4px 4px 4px rgb(222, 7,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2374, 16.8965, 17.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 7, 114) }
```

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

```
.background{ background-color: rgb(222, 7,  
114) }
```

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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