

Converting Colors

XYZ(33.2540, 16.7724, 18.3049)

Have a look what the booklet for
XYZ(33.2540, 16.7724, 18.3049)
contains.

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Color

**XYZ(33.3351, 16.8139,
18.3181)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0075
RGB	222, 0, 117
RGB Percent	87%, 0%, 46%
CMY	0.1294, 0.9998, 0.5412
CMYK	0.00, 1.00, 0.47, 0.13
HSL	328°, 100%, 44%
HSV	328°, 100%, 87%
XYZ	33.3351, 16.8139, 18.3181
YIQ	79.7160, 94.7550, 83.4510

Conversions

Conversions Part 2

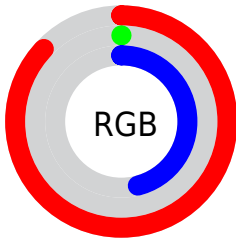
Format	Color
R_{YB}	222, 0, 117
Decimal	14549109
CIE Lab	48.02, 76.64, -0.02
CIE LCh	48, 76.639, 359.984
Yxy	16.8139, 0.4869, 0.2456
Android (android.graphics.Color)	4292739189 (0xFFDE0075)
YUV	79.7160, 18.3810, 124.7831
Hunter-Lab	41.0048, 73.3545, 2.2166

Details

The XYZ color **33.3351, 16.8139, 18.3181** 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 **28.6738, 53.2636, 22.1460**, and the grayscale version is **7.5272, 7.9192, 8.6240**.

A 20% lighter version of the original color is **52.2286, 31.7789, 40.9173**, and **15.5714, 7.9033, 6.3350** is the 20% darker color. If you saturate the color by 10%, you get **33.3339, 16.8135, 18.3117**, and if you desaturate by 10%, it is **34.2794, 17.6582, 21.8524**.

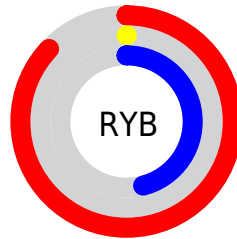
Distribution



Red (87%)

Green (0%)

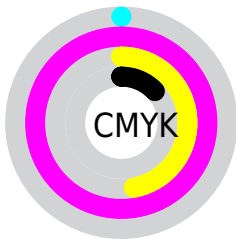
Blue (46%)



Red (87%)

Yellow (0%)

Blue (46%)

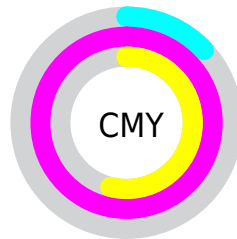


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3351, 16.8139, 18.3181 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 33.3351, 16.8139, 18.3181 by changing the saturation by 10% instead.


 33.3351, 16.8139,
18.3181


 33.3351, 16.8139,
18.3181


308.7954,
234.0976, 254.9540


 22.5437, 10.1019,
11.0068


 64.2495, 38.0055,
41.3999


 14.3758, 5.4666,
5.9572


 85.1033, 53.2539,
58.0074


 8.4660, 2.5235,
2.7507


 110.0420, 72.1166,
78.5508

 4.4488, 0.8884,
0.9688

 139.4308, 94.9779,
103.4485

 1.9590, 0.0000,
0.0000

 173.6352,
122.2223, 133.1192

 0.6108, 0.0000,
0.0000

 213.0205,

 0.0000, 0.0000,

154.2341, 167.9813

0.0000

257.9521,
191.3978, 208.4534

■ 33.3351, 16.8139,
18.3181

■ 33.3351, 16.8139,
18.3181

■ 33.3339, 16.8135,
18.3117

■ 34.2794, 17.6582,
21.8524

■ 35.6292, 19.1993,
25.8744

■ 37.4957, 21.6559,
30.4314

■ 39.9423, 25.1519,
35.5544

■ 43.0229, 29.7918,
41.2707

■ 46.7846, 35.6673,
47.6054

■ 51.2702, 42.8606,
54.5813

■ 56.5184, 51.4467,
62.2200

■ 62.5653, 61.4951,
70.5417

Harmonies

Analogous

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



30.5041, 16.8139, 44.7738



33.3351, 16.8139, 18.3181



30.5099, 16.8139, 5.0984

Triad

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



33.3351, 16.8139, 18.3181



10.2080, 16.8139, 1.1598



10.2032, 16.8139, 75.1505

Complementary

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



33.3351, 16.8139, 18.3181



28.6738, 53.2636, 22.1460

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.



7.0004, 16.8139, 44.7404



33.3351, 16.8139, 18.3181



7.0025, 16.8139, 5.0905

Square

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



33.3351, 16.8139, 18.3181



15.9848, 16.8139, 0.4308



6.0221, 16.8139, 18.2969



15.9774, 16.8139, 89.0382

Rectangle

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



33.3351, 16.8139, 18.3181



26.1619, 16.8139, 1.8800



6.0221, 16.8139, 18.2969



8.8578, 16.8139, 65.7907

Sweetspot

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



33.3356, 16.8149, 18.3184



70.0213, 58.4046, 74.4698



18.8506, 8.1954, 69.6955



14.4047, 11.5611, 15.0498



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.



33.3356, 16.8149, 18.3184



45.5688, 22.9915, 24.7253



30.1654, 15.5468, 1.6247



14.0075, 13.8206, 15.8096



19.8563, 10.0095, 11.1752



1.4215, 0.7119, 1.0124

Inverse Universe

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



33.3356, 16.8149, 18.3184



45.5688, 22.9915, 24.7253



38.3364, 57.1286, 73.0281



14.0075, 13.8206, 15.8096



19.8563, 10.0095, 11.1752



1.4215, 0.7119, 1.0124

Previews

White Background



This preview shows how the XYZ color 33.3351, 16.8139, 18.3181 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 33.3351, 16.8139, 18.3181 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 33.3351, 16.8139, 18.3181

Background



This preview shows how black text looks on a background with the XYZ color 33.3351, 16.8139, 18.3181.



This preview shows how white text looks on a background with the XYZ color 33.3351, 16.8139,

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

33.3351, 16.8139, 18.3181

Protanopia

18.2157, 17.4959, 39.9531

Deuteranopia

17.7069, 17.4169, 16.6159



Tritanopia

30.7035, 17.2193, 4.3947

Trichromacy



Original Color

33.3351, 16.8139, 18.3181



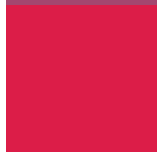
Protanomaly

19.2153, 12.8067, 30.3134



Deuteranomaly

20.2267, 13.4407, 16.5672



Tritanomaly

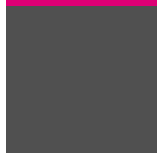
31.1243, 16.5623, 7.6873

Monochromacy



Original Color

33.3351, 16.8139, 18.3181



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.6753, 8.0635, 11.2443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3351, 16.8139, 18.3181 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 117) }
```

Border

The CSS property to change the border of an element to XYZ 33.3351, 16.8139, 18.3181 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, 117) }
```


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

```
.border{ border-color:rgb(222, 0, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3351, 16.8139, 18.3181 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, 117) }
```

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

```
.background{ background-color: rgb(222, 0,  
117) }
```

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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