

Converting Colors

XYZ(33.1463, 16.2166, 40.9021)

Have a look what the booklet for
XYZ(33.1463, 16.2166, 40.9021)
contains.

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Color

**XYZ(33.2750, 16.2825,
40.9242)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00AD
RGB	207, 0, 173
RGB Percent	81%, 0%, 68%
CMY	0.1882, 0.9999, 0.3216
CMYK	0.00, 1.00, 0.16, 0.19
HSL	310°, 100%, 41%
HSV	310°, 100%, 81%
XYZ	33.2750, 16.2825, 40.9242
YIQ	81.6150, 67.8390, 97.6870

Conversions

Conversions Part 2

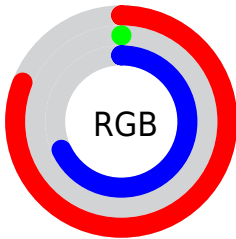
Format	Color
R_{YB}	207, 0, 173
Decimal	13566125
CIE _{Lab}	47.34, 79.37, -35.12
CIE _{LCh}	47, 86.789, 336.129
Yxy	16.2825, 0.3678, 0.1800
Android (android.graphics.Color)	4291756205 (0xFFCF00AD)
YUV	81.6150, 45.0528, 109.9626
Hunter-Lab	40.3516, 76.5806, -31.8853

Details

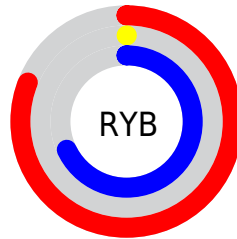
The XYZ color **33.2750, 16.2825, 40.9242** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.6026, 44.7420, 8.9605**, and the grayscale version is **7.8503, 8.2591, 8.9942**.

A 20% lighter version of the original color is **59.2100, 34.5714, 77.6810**, and **15.6029, 7.6520, 18.4239** is the 20% darker color. If you saturate the color by 10%, you get **33.2748, 16.2825, 40.9218**, and if you desaturate by 10%, it is **33.8718, 16.9425, 42.7675**.

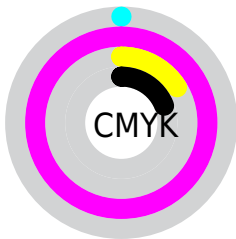
Distribution



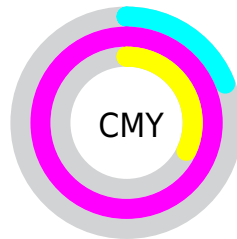
- Red (81%)
- Green (0%)
- Blue (68%)



- Red (81%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2750, 16.2825, 40.9242 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 33.2750, 16.2825, 40.9242 by changing the saturation by 10% instead.


 33.2750, 16.2825,
40.9242


 33.2750, 16.2825,
40.9242

308.5302,
231.0030, 365.6710

 22.4974, 9.7243,
27.9406


 64.1564, 37.0879,
77.8212

 14.3415, 5.2165,
18.0422


 84.9910, 52.1040,
102.5718

 8.4419, 2.3749,
10.8106


 109.9087, 70.7080,
132.0817

 4.4331, 0.8129,
5.8270

 139.2747, 93.2845,
166.7695

 1.9500, 0.0000,
2.6731

 173.4546,
120.2179, 207.0538

 0.6056, 0.0000,
0.9298

 212.8135,

 0.0000, 0.0000,

151.8925, 253.3531

0.0000

257.7169,
188.6927, 306.0860

■ 33.2750, 16.2825,
40.9242

■ 33.2750, 16.2825,
40.9242

■ 33.2748, 16.2825,
40.9218

■ 33.8718, 16.9425,
42.7675

■ 34.7583, 18.1686,
44.7489

■ 36.0304, 20.1523,
46.9008

■ 37.7399, 22.9970,
49.2407

■ 39.9302, 26.7898,
51.7834

■ 42.6398, 31.6071,
54.5419

■ 45.9029, 37.5175,
57.5281

■ 49.7509, 44.5838,
60.7525

■ 54.2130, 52.8638,
64.2253

Harmonies

Analogous

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



25.9102, 16.2825, 78.4684



33.2750, 16.2825, 40.9242



35.2765, 16.2825, 13.5885

Triad

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



33.2750, 16.2825, 40.9242



13.9533, 16.2825, 0.0000



6.3543, 16.2825, 56.1494

Complementary

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



33.2750, 16.2825, 40.9242



22.6026, 44.7420, 8.9605

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.



4.9513, 16.2825, 22.6349



33.2750, 16.2825, 40.9242



8.3035, 16.2825, 0.8058

Square

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



33.2750, 16.2825, 40.9242



22.2498, 16.2825, 0.1581



5.5231, 16.2825, 5.5353



10.2389, 16.2825, 91.2719

Rectangle

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



33.2750, 16.2825, 40.9242



32.8674, 16.2825, 4.8695



5.5231, 16.2825, 5.5353



5.6476, 16.2825, 43.6168

Sweetspot

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



33.2756, 16.2833, 40.9245



73.3522, 59.7370, 92.0099



11.8303, 4.7982, 59.3347



15.2020, 11.8800, 19.2483



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.



33.2756, 16.2833, 40.9245



53.2641, 26.0696, 65.2481



26.9178, 13.7402, 7.4450



12.2239, 11.9743, 14.4549



20.9943, 10.2705, 25.9397



1.1966, 0.5834, 1.5703

Inverse Universe

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



33.2756, 16.2833, 40.9245



53.2641, 26.0696, 65.2481



26.6558, 46.3633, 30.3041



12.2239, 11.9743, 14.4549



20.9943, 10.2705, 25.9397



1.1966, 0.5834, 1.5703

Previews

White Background



This preview shows how the XYZ color 33.2750, 16.2825, 40.9242 looks on a white background.

Color Contrast Check

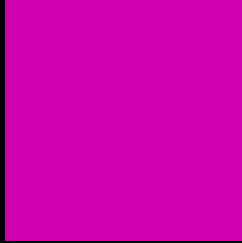
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2750, 16.2825, 40.9242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

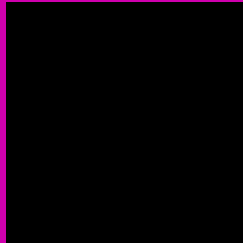
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.2750, 16.2825, 40.9242

Background



This preview shows how black text looks on a background with the XYZ color 33.2750, 16.2825, 40.9242.



This preview shows how white text looks on a background with the XYZ color 33.2750, 16.2825,

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

33.2750, 16.2825, 40.9242

Protanopia

20.4272, 17.0924, 80.0644

Deuteranopia

17.2506, 16.9057, 36.5363



Tritanopia

26.5255, 16.6079, 7.9385

Trichromacy



Original Color

33.2750, 16.2825, 40.9242



Protanomaly

16.9755, 10.6296, 63.4444



Deuteranomaly

19.3536, 12.6221, 37.4927



Tritanomaly

27.7116, 15.2494, 15.9509

Monochromacy



Original Color

33.2750, 16.2825, 40.9242



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.0749, 8.2058, 17.1144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2750, 16.2825, 40.9242 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(207, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 173)  
}
```

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(207, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.2750, 16.2825, 40.9242 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(207, 0, 173) }
```


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

```
.border{ border-color:rgb(207, 0, 173) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2750, 16.2825, 40.9242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 173) }
```

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

```
.background{ background-color: rgb(207, 0,  
173) }
```

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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