

Converting Colors

XYZ(32.8717, 16.0253, 43.1340)

Have a look what the booklet for
XYZ(32.8717, 16.0253, 43.1340)
contains.

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Color

**XYZ(32.8377, 16.0117,
42.9548)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00B1
RGB	204, 0, 177
RGB Percent	80%, 0%, 69%
CMY	0.2000, 0.9999, 0.3059
CMYK	0.00, 1.00, 0.13, 0.20
HSL	308°, 100%, 40%
HSV	308°, 100%, 80%
XYZ	32.8377, 16.0117, 42.9548
YIQ	81.1740, 64.7670, 98.2950

Conversions

Conversions Part 2

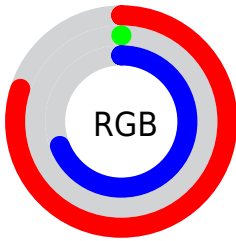
Format	Color
RYB	204, 0, 177
Decimal	13369521
CIELab	46.99, 79.34, -38.08
CIELCh	47, 88.002, 334.360
Yxy	16.0117, 0.3577, 0.1744
Android (android.graphics.Color)	4291559601 (0xFFCC00B1)
YUV	81.1740, 47.2422, 107.7184
Hunter-Lab	40.0146, 76.4591, -35.6363

Details

The XYZ color **32.8377, 16.0117, 42.9548** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **21.7917, 43.2657, 8.2414**, and the grayscale version is **7.7595, 8.1636, 8.8902**.

A 20% lighter version of the original color is **59.6891, 34.6254, 80.6282**, and **15.3151, 7.4750, 19.7044** is the 20% darker color. If you saturate the color by 10%, you get **32.8376, 16.0117, 42.9529**, and if you desaturate by 10%, it is **33.3677, 16.6363, 44.4728**.

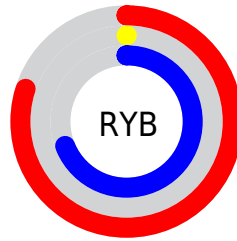
Distribution



Red (80%)

Green (0%)

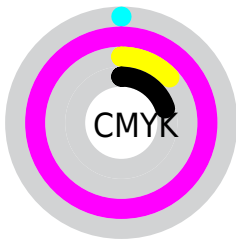
Blue (69%)



Red (80%)

Yellow (0%)

Blue (69%)

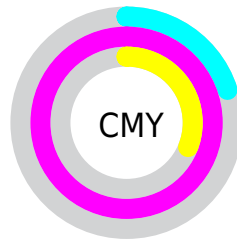


Cyan (0%)

Magenta (100%)

Yellow (13%)

Black (20%)



Cyan (20%)

Magenta (100%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8377, 16.0117, 42.9548 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 32.8377, 16.0117, 42.9548 by changing the saturation by 10% instead.

 32.8377, 16.0117,
42.9548


 32.8377, 16.0117,
42.9548


306.5957,
229.4107, 374.3416

 22.1608, 9.5324,
29.5185


 63.4784, 36.6185,
80.9283


 14.0924, 5.0901,
19.2245


 84.1730, 51.5149,
106.3025


 8.2671, 2.3002,
11.6541


 108.9374, 69.9857,
136.4932

 4.3195, 0.7738,
6.3890

 138.1371, 92.4154,
171.9188

 1.8845, 0.0000,
3.0104

 172.1374,
119.1883, 212.9979

 0.5678, 0.0000,
1.1000

 211.3037,

 0.0000, 0.0000,

150.6889, 260.1491

0.0000

256.0014,
187.3016, 313.7908

■ 32.8377, 16.0117,
42.9548

■ 32.8377, 16.0117,
42.9548

■ 32.8376, 16.0117,
42.9529

■ 33.3677, 16.6363,
44.4728

■ 34.1742, 17.8057,
46.1094

■ 35.3509, 19.7068,
47.8959

■ 36.9474, 22.4389,
49.8490

■ 39.0058, 26.0861,
51.9830

■ 41.5630, 30.7220,
54.3103

■ 44.6521, 36.4129,
56.8420

■ 48.3033, 43.2192,
59.5884

■ 52.5446, 51.1969,
62.5590

Harmonies

Analogous

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



25.1916, 16.0117, 81.0406



32.8377, 16.0117, 42.9548



35.2565, 16.0117, 14.4066

Triad

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



32.8377, 16.0117, 42.9548



14.1212, 16.0117, 0.0000



5.9797, 16.0117, 53.9600

Complementary

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



32.8377, 16.0117, 42.9548



21.7917, 43.2657, 8.2414

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.



4.7183, 16.0117, 20.8584



32.8377, 16.0117, 42.9548



8.3014, 16.0117, 0.5852

Square

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



32.8377, 16.0117, 42.9548



22.5622, 16.0117, 0.1175



5.3963, 16.0117, 4.7738



9.6713, 16.0117, 90.3497

Rectangle

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



32.8377, 16.0117, 42.9548



33.0716, 16.0117, 5.1449



5.3963, 16.0117, 4.7738



5.3266, 16.0117, 41.4081

Sweetspot

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



32.8383, 16.0125, 42.9551



73.7222, 59.8850, 93.9582



11.2721, 4.5524, 57.4120



15.2915, 11.9158, 19.7198



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.



32.8383, 16.0125, 42.9551



54.3237, 26.4935, 70.8280



26.2855, 13.3914, 8.4484



11.6212, 11.3772, 13.8057



20.6930, 10.0878, 27.1655



1.0857, 0.5277, 1.4972

Inverse Universe

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



32.8383, 16.0125, 42.9551



54.3237, 26.4935, 70.8280



25.3473, 44.6879, 26.9649



11.6212, 11.3772, 13.8057



20.6930, 10.0878, 27.1655



1.0857, 0.5277, 1.4972

Previews

White Background



This preview shows how the XYZ color 32.8377, 16.0117, 42.9548 looks on a white background.

Color Contrast Check

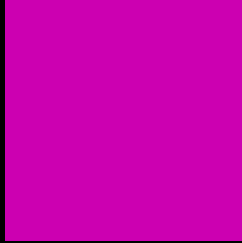
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8377, 16.0117, 42.9548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

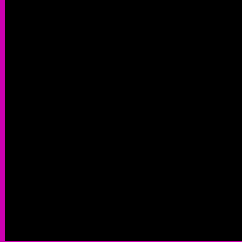
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.8377, 16.0117, 42.9548

Background



This preview shows how black text looks on a background with the XYZ color 32.8377, 16.0117, 42.9548.



This preview shows how white text looks on a background with the XYZ color 32.8377, 16.0117,

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

32.8377, 16.0117, 42.9548

Protanopia

20.0341, 16.7635, 78.5237

Deuteranopia

17.1024, 16.7876, 38.4153



Tritanopia

25.9319, 16.4768, 8.2922

Trichromacy



Original Color

32.8377, 16.0117, 42.9548



Protanomaly

16.8358, 10.4656, 63.4201



Deuteranomaly

19.0888, 12.4425, 39.4258



Tritanomaly

27.0963, 15.0302, 16.5119

Monochromacy



Original Color

32.8377, 16.0117, 42.9548



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9846, 8.1526, 17.4122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8377, 16.0117, 42.9548 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(204, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 177)  
}
```

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(204, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 177) }
```

Border

The CSS property to change the border of an element to XYZ 32.8377, 16.0117, 42.9548 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(204, 0, 177) }
```


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

```
.border{ border-color:rgb(204, 0, 177) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8377, 16.0117, 42.9548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 177) }
```

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

```
.background{ background-color: rgb(204, 0,  
177) }
```

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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