

Converting Colors

$Yxy(16.4098, 0.3437, 0.1667)$

Have a look what the booklet for
Yxy(16.4098, 0.3437, 0.1667)
contains.

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Color

Yxy(16.4252, 0.3432, 0.1664)

Conversions

Conversions Part 1

Format	Color
Hex	CC00BB
RGB	204, 0, 187
RGB Percent	80%, 0%, 73%
CMY	0.1999, 1.0000, 0.2666
CMYK	0.00, 1.00, 0.08, 0.20
HSL	305°, 100%, 40%
HSV	305°, 100%, 80%
XYZ	33.8770, 16.4252, 48.4070
YIQ	82.3140, 61.5570, 101.4050

Conversions

Conversions Part 2

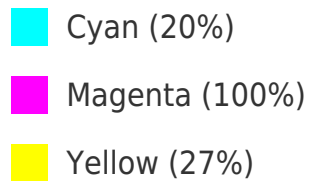
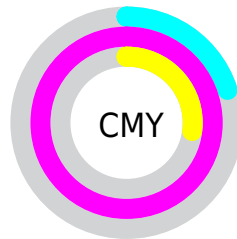
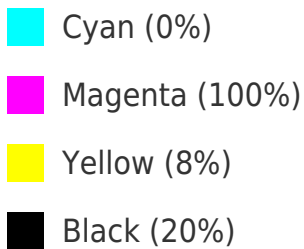
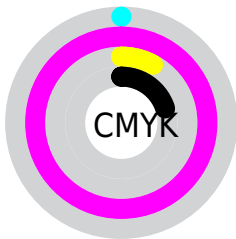
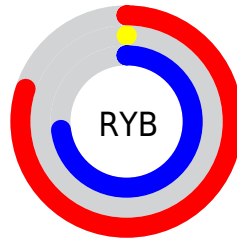
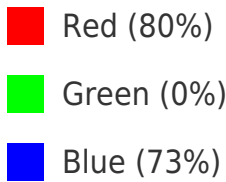
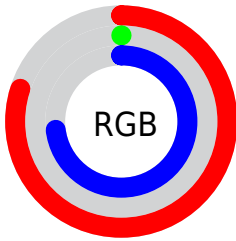
Format	Color
RYB	204, 0, 187
Decimal	13369531
CIELab	47.53, 80.68, -43.11
CIELCh	48, 91.479, 331.882
Yxy	16.4252, 0.3432, 0.1664
Android (android.graphics.Color)	4291559611 (0xFFCC00BB)
YUV	82.3140, 51.6102, 106.7186
Hunter-Lab	40.5280, 78.2824, -42.4468

Details

The Yxy color **16.4252, 0.3432, 0.1664** 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 **43.2366, 0.2986, 0.5950**, and the grayscale version is **8.3909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4459, 0.3300, 0.1905**, and **7.7132, 0.3424, 0.1660** is the 20% darker color. If you saturate the color by 10%, you get **16.4290, 0.3432, 0.1664**, and if you desaturate by 10%, it is **17.0169, 0.3405, 0.1688**.


Distribution




Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4252, 0.3432, 0.1664 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 Yxy color 16.4252, 0.3432, 0.1664 by changing the saturation by 10% instead.


 16.4252, 0.3432,
0.1664


 16.4252, 0.3432,
0.1664


231.8378, 0.3311,
0.2466


 9.8255, 0.3449,
0.1476


 37.3348, 0.3397,
0.1949


 5.2834, 0.3462,
0.1245


 52.4135, 0.3381,
0.2058

 2.4145, 0.3461,
0.0962


 71.0874, 0.3366,
0.2151

 0.8333, 0.3426,
0.0622

 93.7408, 0.3353,
0.2232

 0.0000, 0.3384,
0.0000

 120.7582, 0.3341,
0.2302

 0.0000, 0.2885,
0.0000

 152.5239, 0.3330,

 0.0000, 0.0000,

0.2363

0.0000

189.4223, 0.3320,
0.2418

■ 16.4252, 0.3432,
0.1664

■ 16.4252, 0.3432,
0.1664

■ 16.4290, 0.3432,
0.1664

■ 17.0169, 0.3405,
0.1688

■ 18.1488, 0.3375,
0.1749

■ 20.0110, 0.3343,
0.1852

■ 22.7030, 0.3310,
0.1998

■ 26.3090, 0.3275,
0.2178

■ 30.9024, 0.3242,
0.2384

■ 36.5497, 0.3209,
0.2607

■ 43.3113, 0.3179,
0.2837

■ 51.2431, 0.3152,
0.3067

Harmonies

Analogous

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



16.4252, 0.1938, 0.1252



16.4252, 0.3432, 0.1664



16.4252, 0.5298, 0.2349

Triad

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



16.4252, 0.3432, 0.1664



16.4252, 0.4790, 0.5210



16.4252, 0.0758, 0.2170

Complementary

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



16.4252, 0.3432, 0.1664



43.2366, 0.2986, 0.5950

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.



16.4252, 0.1141, 0.4062



16.4252, 0.3432, 0.1664



16.4252, 0.3427, 0.6456

Square

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



16.4252, 0.3432, 0.1664



16.4252, 0.5945, 0.4034



16.4252, 0.2116, 0.6344



16.4252, 0.0782, 0.1375

Rectangle

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



16.4252, 0.3432, 0.1664



16.4252, 0.6118, 0.2863



16.4252, 0.2116, 0.6344



16.4252, 0.0829, 0.2655

Sweetspot

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



16.4290, 0.3432, 0.1664



60.1162, 0.3211, 0.2598



4.4799, 0.1524, 0.0613



11.9719, 0.3224, 0.2501



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.4290, 0.3432, 0.1664



27.1858, 0.3435, 0.1666



13.4965, 0.5326, 0.2708



11.3870, 0.3150, 0.3080



10.3448, 0.3429, 0.1662



0.5386, 0.3381, 0.1636

Inverse Universe

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



16.4290, 0.3432, 0.1664



27.1858, 0.3435, 0.1666



44.5283, 0.2646, 0.4727



11.3870, 0.3150, 0.3080



10.3448, 0.3429, 0.1662



0.5386, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 16.4252, 0.3432, 0.1664 looks on a white background.

Color Contrast Check

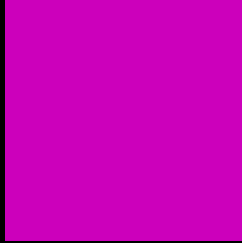
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.4252, 0.3432, 0.1664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

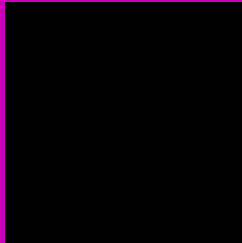
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4252, 0.3432, 0.1664

Background



This preview shows how black text looks on a background with the Yxy color 16.4252, 0.3432, 0.1664.



This preview shows how white text looks on a background with the Yxy color 16.4252, 0.3432, 0.1664.

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

16.4252, 0.3432, 0.1664

Protanopia

17.3670, 0.1739, 0.1461

Deuteranopia

17.0540, 0.2245, 0.2186



Tritanopia

16.7851, 0.4995, 0.3247

Trichromacy



Original Color

16.4252, 0.3432, 0.1664



Protanomaly

11.0243, 0.1842, 0.1145



Deuteranomaly

12.6496, 0.2543, 0.1648



Tritanomaly

15.2114, 0.4466, 0.2487

Monochromacy



Original Color

16.4252, 0.3432, 0.1664



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.2477, 0.3295, 0.2055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4252, 0.3432, 0.1664 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 187) }
```

Border

The CSS property to change the border of an element to Yxy 16.4252, 0.3432, 0.1664 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, 187) }
```

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

```
.border{ border-color:rgb(204, 0, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 187);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4252, 0.3432, 0.1664 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, 187) }
```

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

```
.background{ background-color: rgb(204, 0,  
187) }
```

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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