

Converting Colors

Yxy(16.3411, 0.3460, 0.1680)

Have a look what the booklet for
Yxy(16.3411, 0.3460, 0.1680)
contains.

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Color

Yxy(16.3402, 0.3460, 0.1680)

Conversions

Conversions Part 1

Format	Color
Hex	CC00B9
RGB	204, 0, 185
RGB Percent	80%, 0%, 73%
CMY	0.2001, 0.9992, 0.2746
CMYK	0.00, 1.00, 0.09, 0.20
HSL	306°, 100%, 40%
HSV	306°, 100%, 80%
XYZ	33.6530, 16.3402, 47.2699
YIQ	82.0860, 62.1990, 100.7830

Conversions

Conversions Part 2

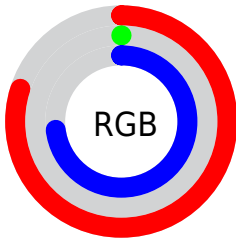
Format	Color
R_{YB}	204, 0, 185
Decimal	13369529
CIE _{Lab}	47.42, 80.37, -42.10
CIE _{LCh}	47, 90.730, 332.355
Yxy	16.3402, 0.3460, 0.1680
Android (android.graphics.Color)	4291559609 (0xFFCC00B9)
YUV	82.0860, 50.7366, 106.9186
Hunter-Lab	40.4230, 77.8648, -41.0364

Details

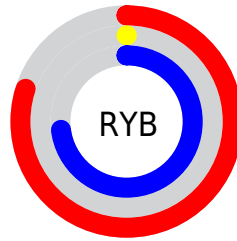
The Yxy color **16.3402, 0.3460, 0.1680** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **43.2250, 0.2984, 0.5941**, and the grayscale version is **8.3667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3251, 0.3320, 0.1920**, and **7.6584, 0.3463, 0.1681** is the 20% darker color. If you saturate the color by 10%, you get **16.3357, 0.3460, 0.1680**, and if you desaturate by 10%, it is **16.9393, 0.3429, 0.1703**.

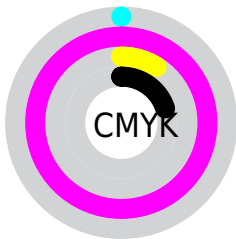
Distribution



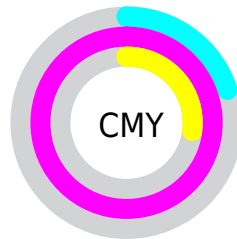
- Red (80%)
- Green (0%)
- Blue (73%)



- Red (80%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3402, 0.3460, 0.1680 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 16.3402, 0.3460, 0.1680 by changing the saturation by 10% instead.


 16.3402, 0.3460,
0.1680


 16.3402, 0.3460,
0.1680


 231.3409, 0.3322,
0.2477


 9.7652, 0.3482,
0.1492


 37.1878, 0.3418,
0.1963


 5.2436, 0.3501,
0.1261


 52.2292, 0.3400,
0.2072


 2.3909, 0.3511,
0.0977


 70.8615, 0.3383,
0.2165

 0.8212, 0.3489,
0.0632

 93.4692, 0.3368,
0.2245

 0.0000, 0.3470,
0.0000

 120.4366, 0.3355,
0.2314

 0.0000, 0.2978,
0.0000

 152.1480, 0.3343,

 0.0000, 0.0000,

0.2375

0.0000

188.9880, 0.3332,
0.2429

■ 16.3402, 0.3460,
0.1680

■ 16.3402, 0.3460,
0.1680

■ 16.3357, 0.3460,
0.1680

■ 16.9393, 0.3429,
0.1703

■ 18.0853, 0.3396,
0.1762

■ 19.9626, 0.3361,
0.1866

■ 22.6704, 0.3324,
0.2010

■ 26.2927, 0.3286,
0.2190

■ 30.9030, 0.3250,
0.2395

■ 36.5674, 0.3215,
0.2616

■ 43.3464, 0.3182,
0.2844

■ 51.2957, 0.3153,
0.3071

Harmonies

Analogous

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



16.3402, 0.1962, 0.1264



16.3402, 0.3460, 0.1680



16.3402, 0.5311, 0.2367

Triad

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



16.3402, 0.3460, 0.1680



16.3402, 0.4770, 0.5230



16.3402, 0.0764, 0.2158

Complementary

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



16.3402, 0.3460, 0.1680



43.2250, 0.2984, 0.5941

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.



16.3402, 0.1141, 0.4020



16.3402, 0.3460, 0.1680



16.3402, 0.3409, 0.6450

Square

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



16.3402, 0.3460, 0.1680



16.3402, 0.5922, 0.4054



16.3402, 0.2106, 0.6299



16.3402, 0.0792, 0.1377

Rectangle

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



16.3402, 0.3460, 0.1680



16.3402, 0.6113, 0.2881



16.3402, 0.2106, 0.6299



16.3402, 0.0833, 0.2635

Sweetspot

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



16.3410, 0.3460, 0.1680



60.0693, 0.3216, 0.2604



4.4840, 0.1525, 0.0614



11.9606, 0.3231, 0.2509



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.



16.3410, 0.3460, 0.1680



27.0425, 0.3464, 0.1682



13.4966, 0.5323, 0.2707



11.3850, 0.3152, 0.3083



10.2916, 0.3456, 0.1678



0.5363, 0.3402, 0.1648

Inverse Universe

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



16.3410, 0.3460, 0.1680



27.0425, 0.3464, 0.1682



44.5110, 0.2646, 0.4726



11.3850, 0.3152, 0.3083



10.2916, 0.3456, 0.1678



0.5363, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 16.3402, 0.3460, 0.1680 looks on a white background.

Color Contrast Check

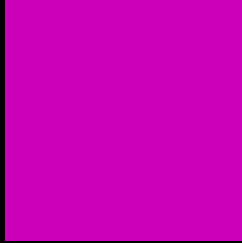
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3402, 0.3460, 0.1680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

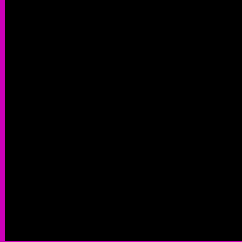
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3402, 0.3460, 0.1680

Background



This preview shows how black text looks on a background with the Yxy color 16.3402, 0.3460, 0.1680.



This preview shows how white text looks on a background with the Yxy color 16.3402, 0.3460, 0.1680.

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

16.3402, 0.3460, 0.1680

Protanopia

17.0924, 0.1737, 0.1454

Deuteranopia

17.0691, 0.2273, 0.2217



Tritanopia

16.7702, 0.5030, 0.3248

Trichromacy



Original Color

16.3402, 0.3460, 0.1680



Protanomaly

10.7940, 0.1845, 0.1144



Deuteranomaly

12.6466, 0.2574, 0.1672



Tritanomaly

15.2998, 0.4517, 0.2517

Monochromacy



Original Color

16.3402, 0.3460, 0.1680



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.2235, 0.3313, 0.2070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3402, 0.3460, 0.1680 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 185) }
```

Border

The CSS property to change the border of an element to Yxy 16.3402, 0.3460, 0.1680 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, 185) }
```

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

```
.border{ border-color:rgb(204, 0, 185) }
```

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, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 185);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3402, 0.3460, 0.1680 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, 185) }
```

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

```
.background{ background-color: rgb(204, 0,  
185) }
```

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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