

Converting Colors

$Y_{xy}(16.4683, 0.3678, 0.2352)$

Have a look what the booklet for
Yxy(16.4683, 0.3678, 0.2352)
contains.

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Color

Yxy(16.4803, 0.3684, 0.2350)

Conversions

Conversions Part 1

Format	Color
Hex	B24B8F
RGB	178, 75, 143
RGB Percent	70%, 29%, 56%
CMY	0.3020, 0.7059, 0.4391
CMYK	0.00, 0.58, 0.20, 0.30
HSL	320°, 41%, 50%
HSV	320°, 58%, 70%
XYZ	25.8355, 16.4803, 27.8131
YIQ	113.5490, 39.5600, 42.9840

Conversions

Conversions Part 2

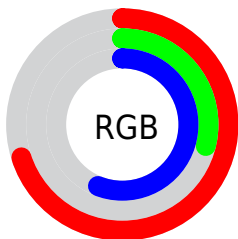
Format	Color
R_{YB}	178, 75, 143
Decimal	11684751
CIE _{Lab}	47.60, 49.76, -17.25
CIE _{LCh}	48, 52.662, 340.883
Yxy	16.4803, 0.3684, 0.2350
Android (android.graphics.Color)	4289874831 (0xFFB24B8F)
YUV	113.5490, 14.5193, 56.5235
Hunter-Lab	40.5959, 42.5556, -12.2037

Details

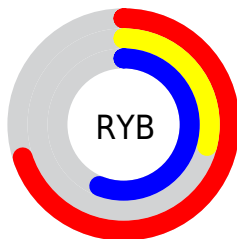
The Yxy color **16.4803, 0.3684, 0.2350** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **34.4630, 0.2834, 0.4513**, and the grayscale version is **16.6328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5646, 0.3563, 0.2549**, and **5.2985, 0.3869, 0.2013** is the 20% darker color. If you saturate the color by 10%, you get **14.2166, 0.3823, 0.2232**, and if you desaturate by 10%, it is **19.4309, 0.3556, 0.2495**.

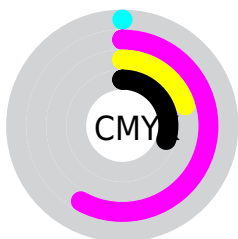
Distribution



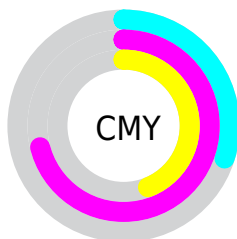
- Red (70%)
- Green (29%)
- Blue (56%)



- Red (70%)
- Yellow (29%)
- Blue (56%)



- Cyan (0%)
- Magenta (58%)
- Yellow (20%)
- Black (30%)





- Cyan (30%)
- Magenta (71%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4803, 0.3684, 0.2350 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 16.4803, 0.3684, 0.2350 by changing the saturation by 10% instead.


 16.4803, 0.3684,
0.2350


 16.4803, 0.3684,
0.2350


232.1594, 0.3378,
0.2860


 9.8647, 0.3770,
0.2210

 37.4300, 0.3566,
0.2545


 5.3093, 0.3888,
0.2022


 52.5329, 0.3523,
0.2615


 2.4299, 0.4055,
0.1759

 71.2337, 0.3489,
0.2673

 0.8412, 0.4311,
0.1372

 93.9167, 0.3459,
0.2722

 0.0000, 0.5137,
0.0000

 120.9664, 0.3434,
0.2764

 0.0000, 0.0000,
0.0000

152.7672, 0.3413,

0.2800

189.7034, 0.3394,
0.2832

■ 16.4803, 0.3684,
0.2350

■ 16.4803, 0.3684,
0.2350

■ 14.2166, 0.3823,
0.2232

■ 19.4309, 0.3556,
0.2495

■ 12.5794, 0.3970,
0.2153

■ 23.1173, 0.3440,
0.2658

■ 11.5015, 0.4118,
0.2120

■ 27.5870, 0.3339,
0.2828

■ 10.8757, 0.4263,
0.2134

■ 32.8824, 0.3252,
0.2998

■ 10.7625, 0.4295,
0.2140

■ 39.0432, 0.3178,
0.3165

■ 46.1063, 0.3115,
0.3323

■ 54.1065, 0.3062,
0.3472

■ 63.0768, 0.3018,
0.3610

■ 73.0485, 0.2981,
0.3738

Harmonies

Analogous

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



16.4803, 0.2652, 0.1956



16.4803, 0.3684, 0.2350



16.4803, 0.4674, 0.2928

Triad

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



16.4803, 0.3684, 0.2350



16.4803, 0.4230, 0.4972



16.4803, 0.1460, 0.2460

Complementary

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



16.4803, 0.3684, 0.2350



34.4630, 0.2834, 0.4513

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.



16.4803, 0.1738, 0.3424



16.4803, 0.3684, 0.2350



16.4803, 0.3314, 0.5218

Square

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



16.4803, 0.3684, 0.2350



16.4803, 0.4922, 0.4313



16.4803, 0.2399, 0.4602



16.4803, 0.1525, 0.1950

Rectangle

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



16.4803, 0.3684, 0.2350



16.4803, 0.5062, 0.3369



16.4803, 0.2399, 0.4602



16.4803, 0.1512, 0.2730

Sweetspot

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



16.4811, 0.3684, 0.2350



60.2243, 0.3247, 0.3008



11.5190, 0.2351, 0.1603



12.8910, 0.3263, 0.2974



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.4811, 0.3684, 0.2350



24.9916, 0.3857, 0.2210



15.2730, 0.4563, 0.3055



8.5967, 0.3188, 0.3141



7.7126, 0.4279, 0.2131



0.2531, 0.3913, 0.1929

Inverse Universe

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



16.4811, 0.3684, 0.2350



24.9916, 0.3857, 0.2210



35.9049, 0.2514, 0.3577



8.5967, 0.3188, 0.3141



7.7126, 0.4279, 0.2131



0.2531, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 16.4803, 0.3684, 0.2350 looks on a white background.

Color Contrast Check

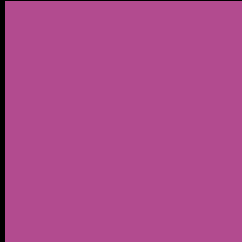
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4803, 0.3684, 0.2350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

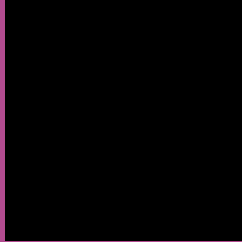
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4803, 0.3684, 0.2350

Background



This preview shows how black text looks on a background with the Yxy color 16.4803, 0.3684, 0.2350.



This preview shows how white text looks on a background with the Yxy color 16.4803, 0.3684, 0.2350.

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

16.4803, 0.3684, 0.2350

Protanopia

16.8558, 0.2343, 0.2237

Deuteranopia

16.6857, 0.2850, 0.2796



Tritanopia

16.4909, 0.4396, 0.3205

Trichromacy



Original Color

16.4803, 0.3684, 0.2350



Protanomaly

15.7820, 0.2715, 0.2231



Deuteranomaly

15.9178, 0.3133, 0.2578



Tritanomaly

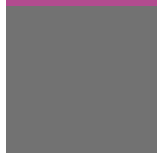
16.4482, 0.4143, 0.2883

Monochromacy



Original Color

16.4803, 0.3684, 0.2350



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.9134, 0.3318, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4803, 0.3684, 0.2350 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(178, 75, 143)` looks like.

```
.text, #text, p{  
  color:rgb(178, 75, 143)  
}
```

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(178, 75, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 75, 143) }
```

Border

The CSS property to change the border of an element to Yxy 16.4803, 0.3684, 0.2350 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(178, 75, 143) }
```

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

```
.border{ border-color:rgb(178, 75, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 75, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 75, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 75, 143);  
box-shadow:4px 4px 4px 4px rgb(178, 75,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4803, 0.3684, 0.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 75, 143) }
```

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

```
.background{ background-color: rgb(178, 75,  
143) }
```

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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