

Converting Colors

$Y_{xy}(16.4785, 0.4748, 0.2650)$

Have a look what the booklet for
Yxy(16.4785, 0.4748, 0.2650)
contains.

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Color

Yxy(16.4834, 0.4756, 0.2653)

Conversions

Conversions Part 1

Format	Color
Hex	CF306D
RGB	207, 48, 109
RGB Percent	81%, 19%, 43%
CMY	0.1882, 0.8117, 0.5725
CMYK	0.00, 0.77, 0.47, 0.19
HSL	337°, 62%, 50%
HSV	337°, 77%, 81%
XYZ	29.5496, 16.4834, 16.0982
YIQ	102.4950, 75.1830, 52.6790

Conversions

Conversions Part 2

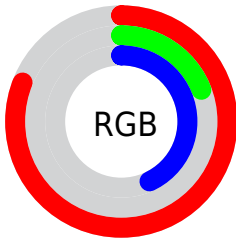
Format	Color
R_{YB}	207, 48, 109
Decimal	13578349
CIE _{Lab}	47.60, 64.57, 3.90
CIE _{LCh}	48, 64.690, 3.460
Yxy	16.4834, 0.4756, 0.2653
Android (android.graphics.Color)	4291768429 (0xFFCF306D)
YUV	102.4950, 3.2070, 91.6509
Hunter-Lab	40.5998, 58.8675, 4.9108

Details

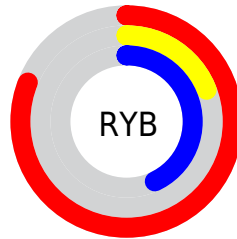
The Yxy color **16.4834, 0.4756, 0.2653** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **47.3274, 0.2591, 0.4269**, and the grayscale version is **13.4021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7353, 0.4246, 0.2780**, and **6.5508, 0.5246, 0.2664** is the 20% darker color. If you saturate the color by 10%, you get **14.9126, 0.5074, 0.2678**, and if you desaturate by 10%, it is **18.8853, 0.4442, 0.2677**.

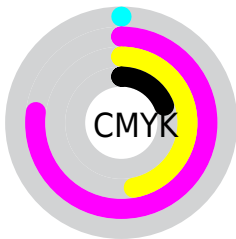
Distribution



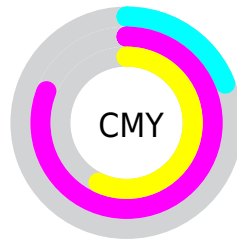
- Red (81%)
- Green (19%)
- Blue (43%)



- Red (81%)
- Yellow (19%)
- Blue (43%)



- Cyan (0%)
- Magenta (77%)
- Yellow (47%)
- Black (19%)





- Cyan (19%)
- Magenta (81%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4834, 0.4756, 0.2653 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 16.4834, 0.4756, 0.2653 by changing the saturation by 10% instead.


 16.4834, 0.4756,
0.2653


 16.4834, 0.4756,
0.2653


232.1775, 0.3810,
0.3032


 9.8669, 0.5043,
0.2533


 37.4354, 0.4376,
0.2808


 5.3108, 0.5446,
0.2362

 52.5396, 0.4245,
0.2861


 2.4307, 0.6040,
0.2103

 71.2419, 0.4138,
0.2903

 0.8416, 0.7019,
0.1689

 93.9266, 0.4050,
0.2938

 0.0000, 1.0000,
0.0000

 120.9781, 0.3976,
0.2968

 0.0000, 0.0000,
0.0000

152.7809, 0.3912,

0.2992

189.7192, 0.3858,
0.3014

■ 16.4834, 0.4756,
0.2653

■ 16.4834, 0.4756,
0.2653

■ 14.9126, 0.5074,
0.2678

■ 18.8853, 0.4442,
0.2677

■ 14.0408, 0.5372,
0.2754


■ 22.2144, 0.4150,
0.2737

■ 13.8357, 0.5463,
0.2783

■ 26.5564, 0.3891,
0.2823


■ 31.9863, 0.3669,
0.2921

■ 38.5721, 0.3482,
0.3025

 46.3762, 0.3328,
0.3128

 55.4565, 0.3200,
0.3226

 65.8670, 0.3096,
0.3319

 77.6588, 0.3011,
0.3405

Harmonies

Analogous

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



16.4834, 0.3456, 0.2047



16.4834, 0.4756, 0.2653



16.4834, 0.5498, 0.3374

Triad

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



16.4834, 0.4756, 0.2653



16.4834, 0.3538, 0.5655



16.4834, 0.1223, 0.1798

Complementary

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



16.4834, 0.4756, 0.2653



47.3274, 0.2591, 0.4269

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.



16.4834, 0.1223, 0.2483



16.4834, 0.4756, 0.2653



16.4834, 0.2454, 0.5259

Square

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



16.4834, 0.4756, 0.2653



16.4834, 0.4584, 0.5035



16.4834, 0.1612, 0.3797



16.4834, 0.1559, 0.1573

Rectangle

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



16.4834, 0.4756, 0.2653



16.4834, 0.5490, 0.3893



16.4834, 0.1612, 0.3797



16.4834, 0.1186, 0.1965

Sweetspot

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



16.4843, 0.4756, 0.2653



66.0049, 0.3424, 0.3061



12.4953, 0.2460, 0.1296



13.2004, 0.3484, 0.3024



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.



16.4843, 0.4756, 0.2653



22.9097, 0.5265, 0.2721



17.1351, 0.5635, 0.3437



11.8823, 0.3231, 0.3201



8.7347, 0.5427, 0.2763



0.5037, 0.4931, 0.2490

Inverse Universe

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



16.4843, 0.4756, 0.2653



22.9097, 0.5265, 0.2721



42.4378, 0.2237, 0.3050



11.8823, 0.3231, 0.3201



8.7347, 0.5427, 0.2763



0.5037, 0.4931, 0.2490

Previews

White Background



This preview shows how the Yxy color 16.4834, 0.4756, 0.2653 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 16.4834, 0.4756, 0.2653 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 16.4834, 0.4756, 0.2653

Background



This preview shows how black text looks on a background with the Yxy color 16.4834, 0.4756, 0.2653.



This preview shows how white text looks on a background with the Yxy color 16.4834, 0.4756, 0.2653.

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

16.4834, 0.4756, 0.2653

Protanopia

16.6669, 0.2668, 0.2646

Deuteranopia

16.7586, 0.3509, 0.3463



Tritanopia

16.4280, 0.5453, 0.3268

Trichromacy



Original Color

16.4834, 0.4756, 0.2653

Protanomaly

14.5890, 0.3294, 0.2535

Deuteranomaly

14.9840, 0.3983, 0.3012

Tritanomaly

16.3867, 0.5221, 0.3052

Monochromacy



Original Color

16.4834, 0.4756, 0.2653

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.8692, 0.3739, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4834, 0.4756, 0.2653 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, 48, 109)` looks like.

```
.text, #text, p{  
  color:rgb(207, 48, 109)  
}
```

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, 48, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 48, 109) }
```

Border

The CSS property to change the border of an element to Yxy 16.4834, 0.4756, 0.2653 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, 48, 109) }
```

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

```
.border{ border-color:rgb(207, 48, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 48, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 48, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 48, 109);  
box-shadow:4px 4px 4px 4px rgb(207, 48,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4834, 0.4756, 0.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 48, 109) }
```

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

```
.background{ background-color: rgb(207, 48,  
109) }
```

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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