

Converting Colors

$Y_{xy}(15.8251, 0.3841, 0.1890)$

Have a look what the booklet for
Yxy(15.8251, 0.3841, 0.1890)
contains.

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Color

Yxy(15.8740, 0.3855, 0.1897)

Conversions

Conversions Part 1

Format	Color
Hex	CF00A2
RGB	207, 0, 162
RGB Percent	81%, 0%, 64%
CMY	0.1881, 1.0000, 0.3647
CMYK	0.00, 1.00, 0.22, 0.19
HSL	313°, 100%, 41%
HSV	313°, 100%, 81%
XYZ	32.2584, 15.8740, 35.5470
YIQ	80.3610, 71.3700, 94.2660

Conversions

Conversions Part 2

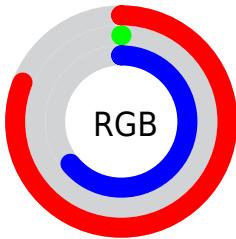
Format	Color
R_{YB}	207, 0, 162
Decimal	13566114
CIE _{Lab}	46.81, 78.04, -29.42
CIE _{LCh}	47, 83.404, 339.343
Yxy	15.8740, 0.3855, 0.1897
Android (android.graphics.Color)	4291756194 (0xFFCF00A2)
YUV	80.3610, 40.2480, 111.0624
Hunter-Lab	39.8422, 74.7997, -25.0088

Details

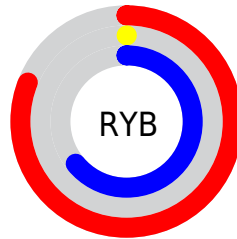
The Yxy color **15.8740, 0.3855, 0.1897** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **44.8263, 0.2939, 0.5780**, and the grayscale version is **8.0071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7519, 0.3585, 0.2104**, and **7.4217, 0.3971, 0.1961** is the 20% darker color. If you saturate the color by 10%, you get **15.8774, 0.3855, 0.1897**, and if you desaturate by 10%, it is **16.5658, 0.3773, 0.1898**.

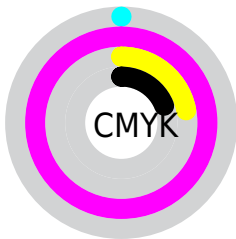
Distribution



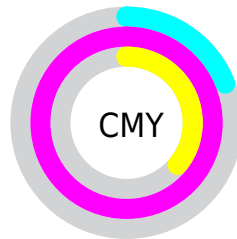
- Red (81%)
- Green (0%)
- Blue (64%)



- Red (81%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8740, 0.3855, 0.1897 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 15.8740, 0.3855, 0.1897 by changing the saturation by 10% instead.


 15.8740, 0.3855,
0.1897


 15.8740, 0.3855,
0.1897

228.5971, 0.3476,
0.2614


 9.4350, 0.3952,
0.1717


 36.3793, 0.3715,
0.2160


 5.0260, 0.4077,
0.1489


 51.2145, 0.3663,
0.2258

 2.2625, 0.4240,
0.1194


 69.6171, 0.3619,
0.2341

 0.7538, 0.4462,
0.0806

 91.9717, 0.3582,
0.2411

 0.0000, 0.4917,
0.0000

 118.6626, 0.3550,
0.2472

 0.0000, 0.5255,
0.0000

 150.0742, 0.3522,

 0.0000, 0.0000,

0.2526

0.0000

186.5909, 0.3498,
0.2572

■ 15.8740, 0.3855,
0.1897

■ 15.8740, 0.3855,
0.1897

■ 15.8774, 0.3855,
0.1897

■ 16.5658, 0.3773,
0.1898

■ 17.8232, 0.3688,
0.1939

■ 19.8407, 0.3602,
0.2027

■ 22.7217, 0.3516,
0.2156

■ 26.5534, 0.3434,
0.2317

■ 31.4123, 0.3358,
0.2502

■ 37.3671, 0.3288,
0.2699

■ 44.4806, 0.3227,
0.2900

■ 52.8106, 0.3173,
0.3098

Harmonies

Analogous

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



15.8740, 0.2304, 0.1419



15.8740, 0.3855, 0.1897



15.8740, 0.5493, 0.2606

Triad

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



15.8740, 0.3855, 0.1897



15.8740, 0.4490, 0.5510



15.8740, 0.0839, 0.1996

Complementary

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



15.8740, 0.3855, 0.1897



44.8263, 0.2939, 0.5780

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.



15.8740, 0.1116, 0.3483



15.8740, 0.3855, 0.1897



15.8740, 0.3160, 0.6381

Square

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



15.8740, 0.3855, 0.1897



15.8740, 0.5615, 0.4335



15.8740, 0.1943, 0.5671



15.8740, 0.0932, 0.1385

Rectangle

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



15.8740, 0.3855, 0.1897



15.8740, 0.6058, 0.3122



15.8740, 0.1943, 0.5671



15.8740, 0.0882, 0.2371

Sweetspot

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



15.8774, 0.3855, 0.1897



59.4946, 0.3291, 0.2691



5.0607, 0.1607, 0.0659



11.8215, 0.3320, 0.2606



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.



15.8774, 0.3855, 0.1897



25.4089, 0.3864, 0.1902



13.5809, 0.5839, 0.2990



11.9632, 0.3170, 0.3110



10.0155, 0.3844, 0.1891



0.5712, 0.3705, 0.1815

Inverse Universe

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



15.8774, 0.3855, 0.1897



25.4089, 0.3864, 0.1902



46.7864, 0.2513, 0.4245



11.9632, 0.3170, 0.3110



10.0155, 0.3844, 0.1891



0.5712, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 15.8740, 0.3855, 0.1897 looks on a white background.

Color Contrast Check

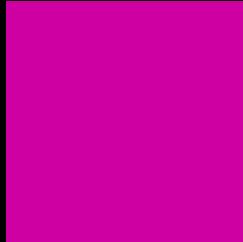
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8740, 0.3855, 0.1897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

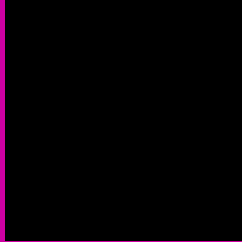
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8740, 0.3855, 0.1897

Background



This preview shows how black text looks on a background with the Yxy color 15.8740, 0.3855, 0.1897.



This preview shows how white text looks on a background with the Yxy color 15.8740, 0.3855, 0.1897.

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

15.8740, 0.3855, 0.1897

Protanopia

16.8210, 0.1762, 0.1476

Deuteranopia

16.4607, 0.2578, 0.2521



Tritanopia

16.2142, 0.5316, 0.3265

Trichromacy



Original Color

15.8740, 0.3855, 0.1897



Protanomaly

10.7879, 0.1985, 0.1240



Deuteranomaly

12.4822, 0.2961, 0.1938



Tritanomaly

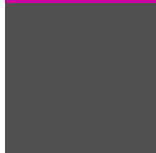
15.1017, 0.4860, 0.2664

Monochromacy



Original Color

15.8740, 0.3855, 0.1897



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

7.9291, 0.3486, 0.2193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8740, 0.3855, 0.1897 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, 0, 162)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 162)  
}
```

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, 0, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 162) }
```

Border

The CSS property to change the border of an element to Yxy 15.8740, 0.3855, 0.1897 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, 0, 162) }
```

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

```
.border{ border-color:rgb(207, 0, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 0, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8740, 0.3855, 0.1897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 162) }
```

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

```
.background{ background-color: rgb(207, 0,  
162) }
```

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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