

Converting Colors

$Yxy(10.1634, 0.4979, 0.1806)$

Have a look what the booklet for
Yxy(10.1634, 0.4979, 0.1806)
contains.

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Color

Yxy(15.3290, 0.4717, 0.2372)

Conversions

Conversions Part 1

Format	Color
Hex	D40077
RGB	212, 0, 119
RGB Percent	83%, 0%, 47%
CMY	0.1686, 1.0000, 0.5332
CMYK	0.00, 1.00, 0.44, 0.17
HSL	326°, 100%, 42%
HSV	326°, 100%, 83%
XYZ	30.4835, 15.3290, 18.8123
YIQ	76.9540, 88.1530, 81.9530

Conversions

Conversions Part 2

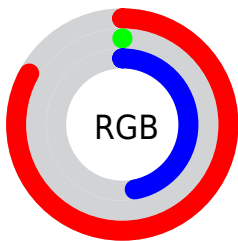
Format	Color
R _Y B	212, 0, 119
Decimal	13893751
CIE Lab	46.08, 74.66, -4.36
CIE LCh	46, 74.786, 356.661
Yxy	15.3290, 0.4717, 0.2372
Android (android.graphics.Color)	4292083831 (0xFFD40077)
YUV	76.9540, 20.7287, 118.4353
Hunter-Lab	39.1523, 70.4616, -1.0817

Details

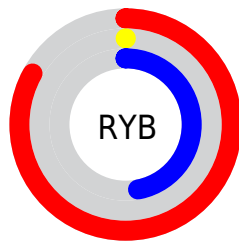
The Yxy color **15.3290, 0.4717, 0.2372** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **47.8797, 0.2785, 0.5224**, and the grayscale version is **7.3617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5126, 0.4159, 0.2509**, and **7.0342, 0.5051, 0.2556** is the 20% darker color. If you saturate the color by 10%, you get **15.3303, 0.4717, 0.2372**, and if you desaturate by 10%, it is **16.1086, 0.4513, 0.2320**.

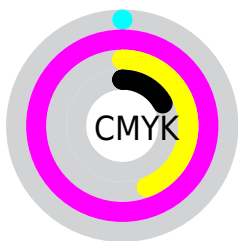
Distribution



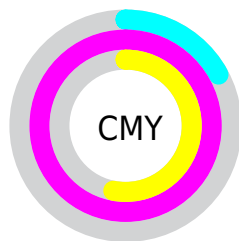
- Red (83%)
- Green (0%)
- Blue (47%)



- Red (83%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3290, 0.4717, 0.2372 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 15.3290, 0.4717, 0.2372 by changing the saturation by 10% instead.


 15.3290, 0.4717,
0.2372


 15.3290, 0.4717,
0.2372


225.3490, 0.3799,
0.2892


 9.0506, 0.4993,
0.2220


 35.4293, 0.4350,
0.2577


 4.7742, 0.5379,
0.2012

 50.0200, 0.4223,
0.2649

 2.1154, 0.5945,
0.1713

 68.1503, 0.4119,
0.2708

 0.6733, 0.6850,
0.1238

 90.2046, 0.4033,
0.2757

 0.0000, 1.0000,
0.0000

 116.5672, 0.3961,
0.2799

 0.0000, 0.0000,
0.0000

 147.6225, 0.3899,

0.2834

183.7550, 0.3846,
0.2865

■ 15.3290, 0.4717,
0.2372

■ 15.3290, 0.4717,
0.2372

■ 15.3303, 0.4717,
0.2372

■ 16.1086, 0.4513,
0.2320

■ 17.5064, 0.4305,
0.2315

■ 19.7239, 0.4098,
0.2362

■ 22.8714, 0.3901,
0.2451

■ 27.0419, 0.3722,
0.2571

■ 32.3170, 0.3563,
0.2710

■ 38.7699, 0.3425,
0.2857

■ 46.4678, 0.3308,
0.3006

■ 55.4723, 0.3209,
0.3152

Harmonies

Analogous

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



15.3290, 0.3146, 0.1764



15.3290, 0.4717, 0.2372



15.3290, 0.5784, 0.3118

Triad

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



15.3290, 0.4717, 0.2372



15.3290, 0.3755, 0.5905



15.3290, 0.0977, 0.1695

Complementary

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



15.3290, 0.4717, 0.2372



47.8797, 0.2785, 0.5224

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.



15.3290, 0.1037, 0.2585



15.3290, 0.4717, 0.2372



15.3290, 0.2544, 0.5943

Square

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



15.3290, 0.4717, 0.2372



15.3290, 0.4940, 0.4952



15.3290, 0.1537, 0.4315



15.3290, 0.1251, 0.1383

Rectangle

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



15.3290, 0.4717, 0.2372



15.3290, 0.5875, 0.3652



15.3290, 0.1537, 0.4315



15.3290, 0.0958, 0.1910

Sweetspot

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



15.3303, 0.4717, 0.2372



58.5445, 0.3429, 0.2853



7.0223, 0.1891, 0.0816



11.5943, 0.3485, 0.2789



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.



15.3303, 0.4717, 0.2372



23.2481, 0.4737, 0.2383



14.0299, 0.6340, 0.3266



12.5364, 0.3204, 0.3160



9.4841, 0.4690, 0.2357



0.5886, 0.4365, 0.2178

Inverse Universe

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



15.3303, 0.4717, 0.2372



23.2481, 0.4737, 0.2383



51.1610, 0.2305, 0.3496



12.5364, 0.3204, 0.3160



9.4841, 0.4690, 0.2357



0.5886, 0.4365, 0.2178

Previews

White Background



This preview shows how the Yxy color 15.3290, 0.4717, 0.2372 looks on a white background.

Color Contrast Check

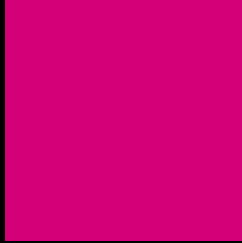
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3290, 0.4717, 0.2372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

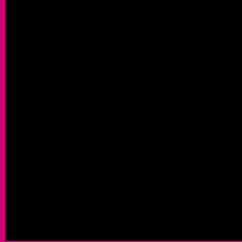
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3290, 0.4717, 0.2372

Background



This preview shows how black text looks on a background with the Yxy color 15.3290, 0.4717, 0.2372.



This preview shows how white text looks on a background with the Yxy color 15.3290, 0.4717, 0.2372.

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

15.3290, 0.4717, 0.2372

Protanopia

16.0014, 0.2300, 0.2172

Deuteranopia

15.9885, 0.3295, 0.3251



Tritanopia

15.6563, 0.5792, 0.3290

Trichromacy



Original Color

15.3290, 0.4717, 0.2372



Protanomaly

11.5916, 0.2927, 0.1924



Deuteranomaly

12.4171, 0.3874, 0.2583



Tritanomaly

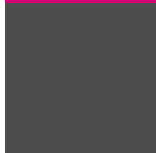
14.9783, 0.5504, 0.2945

Monochromacy



Original Color

15.3290, 0.4717, 0.2372



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.4050, 0.3881, 0.2470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3290, 0.4717, 0.2372 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(212, 0, 119)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 119)  
}
```

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(212, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 119) }
```

Border

The CSS property to change the border of an element to Yxy 15.3290, 0.4717, 0.2372 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(212, 0, 119) }
```

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

```
.border{ border-color:rgb(212, 0, 119) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3290, 0.4717, 0.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 119) }
```

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

```
.background{ background-color: rgb(212, 0,  
119) }
```

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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