

Converting Colors

$Yxy(16.9118, 0.4776, 0.2406)$

Have a look what the booklet for
Yxy(16.9118, 0.4776, 0.2406)
contains.

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Color

Yxy(16.9564, 0.4772, 0.2405)

Conversions

Conversions Part 1

Format	Color
Hex	DE017A
RGB	222, 1, 122
RGB Percent	87%, 0%, 48%
CMY	0.1294, 0.9956, 0.5217
CMYK	0.00, 0.99, 0.45, 0.13
HSL	327°, 99%, 44%
HSV	327°, 99%, 87%
XYZ	33.6449, 16.9564, 19.9035
YIQ	80.8730, 92.8750, 84.4830

Conversions

Conversions Part 2

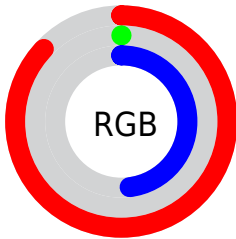
Format	Color
R _Y B	222, 1, 122
Decimal	14549370
CIE Lab	48.21, 76.95, -2.81
CIE LCh	48, 77.001, 357.910
Yxy	16.9564, 0.4772, 0.2405
Android (android.graphics.Color)	4292739450 (0xFFDE017A)
YUV	80.8730, 20.2756, 123.7684
Hunter-Lab	41.1781, 73.7829, 0.1668

Details

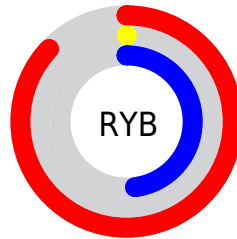
The Yxy color **16.9564, 0.4772, 0.2405** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **53.1882, 0.2772, 0.5174**, and the grayscale version is **8.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1447, 0.4112, 0.2503**, and **7.9680, 0.5094, 0.2580** is the 20% darker color. If you saturate the color by 10%, you get **16.9202, 0.4783, 0.2408**, and if you desaturate by 10%, it is **17.8210, 0.4560, 0.2349**.

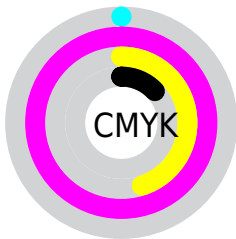
Distribution



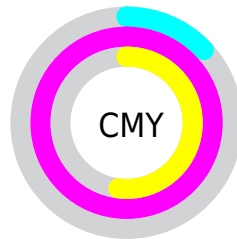
- Red (87%)
- Green (0%)
- Blue (48%)



- Red (87%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (99%)
- Yellow (45%)
- Black (13%)




- Cyan (13%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9564, 0.4772, 0.2405 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 16.9564, 0.4772, 0.2405 by changing the saturation by 10% instead.


 16.9564, 0.4772,
0.2405


 16.9564, 0.4772,
0.2405


234.9210, 0.3834,
0.2904


 10.2034, 0.5048,
0.2261


 38.2508, 0.4401,
0.2600


 5.5340, 0.5429,
0.2065

 53.5610, 0.4270,
0.2670

 2.5639, 0.5981,
0.1785

 72.4924, 0.4164,
0.2726

 0.9085, 0.6821,
0.1368

 95.4294, 0.4076,
0.2773

 0.0000, 1.0000,
0.0000

 122.7563, 0.4001,
0.2814

 0.0000, 0.0000,
0.0000

 154.8576, 0.3937,

0.2848

192.1177, 0.3882,
0.2878

■ 16.9564, 0.4772,
0.2405

■ 16.9564, 0.4772,
0.2405

■ 16.9202, 0.4783,
0.2408

■ 17.8210, 0.4560,
0.2349

■ 19.4011, 0.4342,
0.2342

■ 21.9011, 0.4126,
0.2387

■ 25.4436, 0.3921,
0.2475

■ 30.1322, 0.3735,
0.2593

■ 36.0580, 0.3570,
0.2729

■ 43.3027, 0.3428,
0.2874

■ 51.9409, 0.3308,
0.3020

■ 62.0418, 0.3207,
0.3162

Harmonies

Analogous

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



16.9564, 0.3208, 0.1789



16.9564, 0.4772, 0.2405



16.9564, 0.5795, 0.3153

Triad

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



16.9564, 0.4772, 0.2405



16.9564, 0.3706, 0.5925



16.9564, 0.0987, 0.1678

Complementary

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



16.9564, 0.4772, 0.2405



53.1882, 0.2772, 0.5174

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.



16.9564, 0.1034, 0.2536



16.9564, 0.4772, 0.2405



16.9564, 0.2500, 0.5892

Square

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



16.9564, 0.4772, 0.2405



16.9564, 0.4886, 0.4987



16.9564, 0.1512, 0.4227



16.9564, 0.1276, 0.1384

Rectangle

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



16.9564, 0.4772, 0.2405



16.9564, 0.5856, 0.3689



16.9564, 0.1512, 0.4227



16.9564, 0.0964, 0.1884

Sweetspot

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



16.9574, 0.4772, 0.2405



58.4864, 0.3438, 0.2863



8.0370, 0.1924, 0.0835



11.5805, 0.3496, 0.2801



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.



16.9574, 0.4772, 0.2405



23.1394, 0.4798, 0.2417



15.5799, 0.6352, 0.3277



13.8254, 0.3207, 0.3162



10.0738, 0.4753, 0.2392



0.7163, 0.4450, 0.2225

Inverse Universe

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



16.9574, 0.4772, 0.2405



23.1394, 0.4798, 0.2417



56.9463, 0.2290, 0.3443



13.8254, 0.3207, 0.3162



10.0738, 0.4753, 0.2392



0.7163, 0.4450, 0.2225

Previews

White Background



This preview shows how the Yxy color 16.9564, 0.4772, 0.2405 looks on a white background.

Color Contrast Check

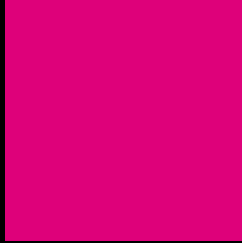
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9564, 0.4772, 0.2405 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 16.9564, 0.4772, 0.2405

Background



This preview shows how black text looks on a background with the Yxy color 16.9564, 0.4772, 0.2405.



This preview shows how white text looks on a background with the Yxy color 16.9564, 0.4772, 0.2405.

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

16.9564, 0.4772, 0.2405

Protanopia

17.6021, 0.2331, 0.2209

Deuteranopia

17.4477, 0.3343, 0.3272



Tritanopia

17.2411, 0.5826, 0.3291

Trichromacy



Original Color

16.9564, 0.4772, 0.2405



Protanomaly

12.8281, 0.2975, 0.1970



Deuteranomaly

13.6822, 0.3931, 0.2614



Tritanomaly

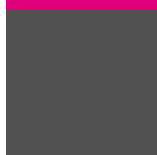
16.5618, 0.5540, 0.2959

Monochromacy



Original Color

16.9564, 0.4772, 0.2405



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.2060, 0.3891, 0.2484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9564, 0.4772, 0.2405 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(222, 1, 122)` looks like.

```
.text, #text, p{  
    color:rgb(222, 1, 122)  
}
```

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(222, 1, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 1, 122) }
```

Border

The CSS property to change the border of an element to Yxy 16.9564, 0.4772, 0.2405 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(222, 1, 122) }
```

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

```
.border{ border-color:rgb(222, 1, 122) }
```

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

Here you see how a box with a 4 pixel rgb(222, 1, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 1, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 1, 122);  
box-shadow:4px 4px 4px 4px rgb(222, 1,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9564, 0.4772, 0.2405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 1, 122) }
```

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

```
.background{ background-color: rgb(222, 1,  
122) }
```

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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