

Converting Colors

$Yxy(17.1554, 0.3798, 0.1866)$

Have a look what the booklet for
Yxy(17.1554, 0.3798, 0.1866)
contains.

Yxy(17.2364, 0.3800, 0.1867)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2364, 0.3800, 0.1867)

Conversions

Conversions Part 1

Format	Color
Hex	D600AB
RGB	214, 0, 171
RGB Percent	84%, 0%, 67%
CMY	0.1608, 0.9999, 0.3294
CMYK	0.00, 1.00, 0.20, 0.16
HSL	312°, 100%, 42%
HSV	312°, 100%, 84%
XYZ	35.0821, 17.2364, 40.0029
YIQ	83.4800, 72.6530, 98.5490

Conversions

Conversions Part 2

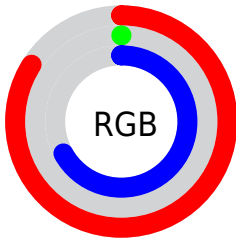
Format	Color
RYB	214, 0, 171
Decimal	14024875
CIELab	48.56, 80.40, -31.94
CIElCh	49, 86.513, 338.335
Yxy	17.2364, 0.3800, 0.1867
Android (android.graphics.Color)	4292214955 (0xFFD600AB)
YUV	83.4800, 43.1474, 114.4660
Hunter-Lab	41.5167, 78.1802, -28.0663

Details

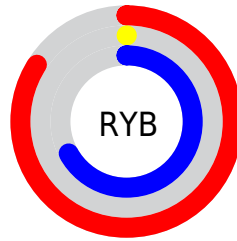
The Yxy color **17.2364, 0.3800, 0.1867** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **48.2692, 0.2947, 0.5811**, and the grayscale version is **8.6567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6348, 0.3474, 0.2039**, and **8.1780, 0.3894, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **17.2363, 0.3800, 0.1867**, and if you desaturate by 10%, it is **17.9558, 0.3726, 0.1870**.

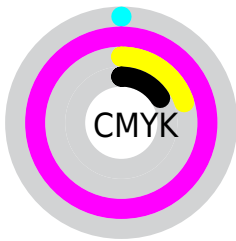
Distribution



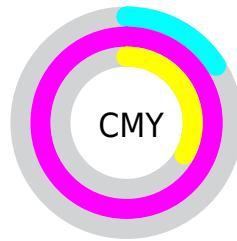
- Red (84%)
- Green (0%)
- Blue (67%)



- Red (84%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2364, 0.3800, 0.1867 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 17.2364, 0.3800, 0.1867 by changing the saturation by 10% instead.


 17.2364, 0.3800,
0.1867


 17.2364, 0.3800,
0.1867


236.5310, 0.3460,
0.2586


 10.4032, 0.3884,
0.1691


 38.7318, 0.3677,
0.2127


 5.6671, 0.3989,
0.1470


 54.1627, 0.3630,
0.2225


 2.6437, 0.4123,
0.1188


 73.2284, 0.3591,
0.2309

 0.9487, 0.4295,
0.0829

 96.3131, 0.3557,
0.2380

 0.0000, 0.4690,
0.0000

 123.8014, 0.3528,
0.2442

 0.0000, 0.4706,
0.0000

 156.0775, 0.3502,

 0.0000, 0.0000,

0.2496

0.0000

193.5259, 0.3480,
0.2544

■ 17.2364, 0.3800,
0.1867

■ 17.2364, 0.3800,
0.1867

■ 17.2363, 0.3800,
0.1867

■ 17.9558, 0.3726,
0.1870

■ 19.2912, 0.3649,
0.1913

■ 21.4465, 0.3569,
0.2003

■ 24.5337, 0.3490,
0.2134

■ 28.6476, 0.3414,
0.2298

■ 33.8714, 0.3343,
0.2485

■ 40.2793, 0.3279,
0.2686

■ 47.9396, 0.3221,
0.2891

■ 56.9151, 0.3171,
0.3094

Harmonies

Analogous

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



17.2364, 0.2255, 0.1398



17.2364, 0.3800, 0.1867



17.2364, 0.5469, 0.2573

Triad

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



17.2364, 0.3800, 0.1867



17.2364, 0.4529, 0.5471



17.2364, 0.0829, 0.2018

Complementary

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



17.2364, 0.3800, 0.1867



48.2692, 0.2947, 0.5811

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.



17.2364, 0.1121, 0.3552



17.2364, 0.3800, 0.1867



17.2364, 0.3195, 0.6392

Square

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



17.2364, 0.3800, 0.1867



17.2364, 0.5651, 0.4291



17.2364, 0.1968, 0.5759



17.2364, 0.0913, 0.1385

Rectangle

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



17.2364, 0.3800, 0.1867



17.2364, 0.6066, 0.3089



17.2364, 0.1968, 0.5759



17.2364, 0.0876, 0.2405

Sweetspot

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



17.2373, 0.3800, 0.1867



59.5690, 0.3281, 0.2680



5.3658, 0.1592, 0.0651



11.8395, 0.3308, 0.2593



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.



17.2373, 0.3800, 0.1867



25.6073, 0.3807, 0.1871



14.6700, 0.5786, 0.2961



12.5879, 0.3168, 0.3106



10.4332, 0.3790, 0.1861



0.6404, 0.3671, 0.1796

Inverse Universe

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



17.2373, 0.3800, 0.1867



25.6073, 0.3807, 0.1871



50.2905, 0.2530, 0.4307



12.5879, 0.3168, 0.3106



10.4332, 0.3790, 0.1861



0.6404, 0.3671, 0.1796

Previews

White Background



This preview shows how the Yxy color 17.2364, 0.3800, 0.1867 looks on a white background.

Color Contrast Check

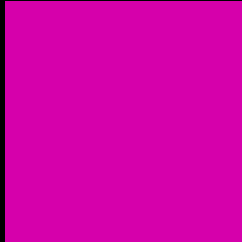
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2364, 0.3800, 0.1867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

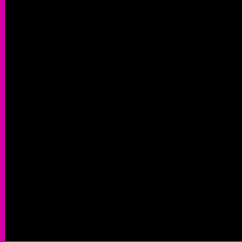
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2364, 0.3800, 0.1867

Background



This preview shows how black text looks on a background with the Yxy color 17.2364, 0.3800, 0.1867.



This preview shows how white text looks on a background with the Yxy color 17.2364, 0.3800, 0.1867.

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

17.2364, 0.3800, 0.1867

Protanopia

18.1611, 0.1735, 0.1447

Deuteranopia

17.9719, 0.2540, 0.2495



Tritanopia

17.5911, 0.5292, 0.3255

Trichromacy



Original Color

17.2364, 0.3800, 0.1867



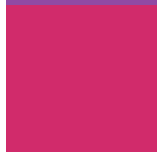
Protanomaly

11.2123, 0.1874, 0.1177



Deuteranomaly

13.5072, 0.2917, 0.1908



Tritanomaly

16.3446, 0.4836, 0.2651

Monochromacy



Original Color

17.2364, 0.3800, 0.1867



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.6325, 0.3457, 0.2165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2364, 0.3800, 0.1867 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(214, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 171)  
}
```

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(214, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 171) }
```

Border

The CSS property to change the border of an element to Yxy 17.2364, 0.3800, 0.1867 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(214, 0, 171) }
```

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

```
.border{ border-color:rgb(214, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2364, 0.3800, 0.1867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 171) }
```

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

```
.background{ background-color: rgb(214, 0,  
171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor