

Converting Colors

$Y_{xy}(15.5793, 0.4809, 0.2423)$

Have a look what the booklet for
Yxy(15.5793, 0.4809, 0.2423)
contains.

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Color

Yxy(15.5571, 0.4800, 0.2418)

Conversions

Conversions Part 1

Format	Color
Hex	D60074
RGB	214, 0, 116
RGB Percent	84%, 0%, 45%
CMY	0.1608, 0.9997, 0.5451
CMYK	0.00, 1.00, 0.46, 0.16
HSL	327°, 100%, 42%
HSV	327°, 100%, 84%
XYZ	30.8826, 15.5571, 17.8990
YIQ	77.2100, 90.3080, 81.4440

Conversions

Conversions Part 2

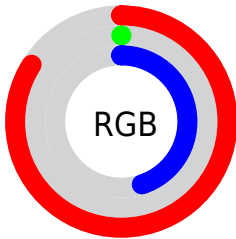
Format	Color
RYB	214, 0, 116
Decimal	14024820
CIELab	46.39, 74.82, -1.99
CIELCh	46, 74.852, 358.473
Yxy	15.5571, 0.4800, 0.2418
Android (android.graphics.Color)	4292214900 (0xFFD60074)
YUV	77.2100, 19.1235, 119.9648
Hunter-Lab	39.4425, 70.7371, 0.7039

Details

The Yxy color **15.5571, 0.4800, 0.2418** 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 **48.9734, 0.2767, 0.5162**, and the grayscale version is **7.4234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3995, 0.4200, 0.2538**, and **7.1897, 0.5160, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **15.5552, 0.4801, 0.2418**, and if you desaturate by 10%, it is **16.3509, 0.4585, 0.2361**.

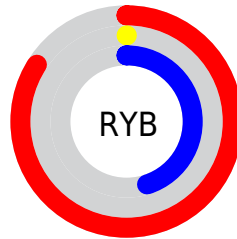
Distribution



Red (84%)

Green (0%)

Blue (45%)



Red (84%)

Yellow (0%)

Blue (45%)

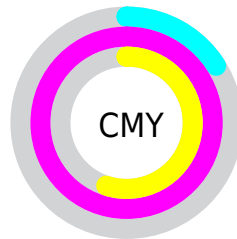


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5571, 0.4800, 0.2418 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 15.5571, 0.4800, 0.2418 by changing the saturation by 10% instead.


 15.5571, 0.4800,
0.2418


 15.5571, 0.4800,
0.2418


226.7139, 0.3833,
0.2918


 9.2113, 0.5091,
0.2270


 35.8276, 0.4413,
0.2616

 4.8793, 0.5497,
0.2065

 50.5210, 0.4279,
0.2686

 2.1766, 0.6092,
0.1769

 68.7659, 0.4170,
0.2742

 0.7072, 0.7028,
0.1300

 90.9464, 0.4079,
0.2789

 0.0000, 1.0000,
0.0000

 117.4471, 0.4003,
0.2829

 0.0000, 0.0000,
0.0000

 148.6523, 0.3938,

0.2863

184.9464, 0.3882,
0.2892

■ 15.5571, 0.4800,
0.2418

■ 15.5571, 0.4800,
0.2418

■ 15.5552, 0.4801,
0.2418

■ 16.3509, 0.4585,
0.2361

■ 17.7811, 0.4364,
0.2351

■ 20.0513, 0.4145,
0.2394

■ 23.2743, 0.3937,
0.2479

■ 27.5455, 0.3748,
0.2595

■ 32.9482, 0.3581,
0.2729

■ 39.5575, 0.3437,
0.2872

■ 47.4421, 0.3315,
0.3017

■ 56.6653, 0.3212,
0.3157

Harmonies

Analogous

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



15.5571, 0.3236, 0.1798



15.5571, 0.4800, 0.2418



15.5571, 0.5804, 0.3167

Triad

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



15.5571, 0.4800, 0.2418



15.5571, 0.3683, 0.5939



15.5571, 0.0989, 0.1668

Complementary

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



15.5571, 0.4800, 0.2418



48.9734, 0.2767, 0.5162

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.



15.5571, 0.1029, 0.2512



15.5571, 0.4800, 0.2418



15.5571, 0.2478, 0.5875

Square

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



15.5571, 0.4800, 0.2418



15.5571, 0.4871, 0.5013



15.5571, 0.1497, 0.4190



15.5571, 0.1284, 0.1382

Rectangle

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



15.5571, 0.4800, 0.2418



15.5571, 0.5852, 0.3704



15.5571, 0.1497, 0.4190



15.5571, 0.0964, 0.1870

Sweetspot

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



15.5580, 0.4800, 0.2418



58.4651, 0.3441, 0.2867



7.3622, 0.1921, 0.0832



11.5754, 0.3500, 0.2806



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.



15.5580, 0.4800, 0.2418



23.1003, 0.4820, 0.2429



14.3207, 0.6356, 0.3276



12.5322, 0.3207, 0.3164



9.4240, 0.4771, 0.2402



0.5850, 0.4428, 0.2213

Inverse Universe

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



15.5580, 0.4800, 0.2418



23.1003, 0.4820, 0.2429



52.4161, 0.2290, 0.3443



12.5322, 0.3207, 0.3164



9.4240, 0.4771, 0.2402



0.5850, 0.4428, 0.2213

Previews

White Background



This preview shows how the Yxy color 15.5571, 0.4800, 0.2418 looks on a white background.

Color Contrast Check

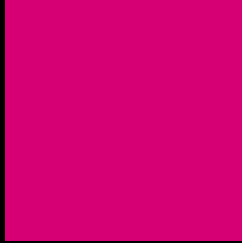
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5571, 0.4800, 0.2418 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 15.5571, 0.4800, 0.2418

Background



This preview shows how black text looks on a background with the Yxy color 15.5571, 0.4800, 0.2418.



This preview shows how white text looks on a background with the Yxy color 15.5571, 0.4800, 0.2418.

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

15.5571, 0.4800, 0.2418

Protanopia

16.2690, 0.2366, 0.2255

Deuteranopia

16.1466, 0.3377, 0.3310



Tritanopia

15.8609, 0.5823, 0.3291

Trichromacy



Original Color

15.5571, 0.4800, 0.2418



Protanomaly

11.8368, 0.3023, 0.2005



Deuteranomaly

12.5501, 0.3961, 0.2638



Tritanomaly

15.1955, 0.5558, 0.2966

Monochromacy



Original Color

15.5571, 0.4800, 0.2418



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.4640, 0.3923, 0.2494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5571, 0.4800, 0.2418 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 116) }
```

Border

The CSS property to change the border of an element to Yxy 15.5571, 0.4800, 0.2418 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, 116) }
```

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

```
.border{ border-color:rgb(214, 0, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5571, 0.4800, 0.2418 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, 116) }
```

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

```
.background{ background-color: rgb(214, 0,  
116) }
```

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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