

Converting Colors

$Yxy(12.3404, 0.5017, 0.1990)$

Have a look what the booklet for
Yxy(12.3404, 0.5017, 0.1990)
contains.

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Color

Yxy(16.7282, 0.4800, 0.2418)

Conversions

Conversions Part 1

Format	Color
Hex	DD0078
RGB	221, 0, 120
RGB Percent	87%, 0%, 47%
CMY	0.1334, 0.9996, 0.5294
CMYK	0.00, 1.00, 0.46, 0.13
HSL	327°, 100%, 43%
HSV	327°, 100%, 87%
XYZ	33.2073, 16.7282, 19.2464
YIQ	79.7590, 93.1960, 84.1720

Conversions

Conversions Part 2

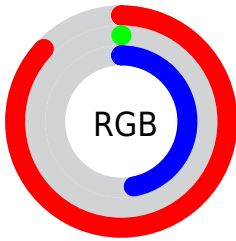
Format	Color
RYB	221, 0, 120
Decimal	14483576
CIELab	47.92, 76.66, -2.04
CIELCh	48, 76.685, 358.473
Yxy	16.7282, 0.4800, 0.2418
Android (android.graphics.Color)	4292673656 (0xFFDD0078)
YUV	79.7590, 19.8388, 123.8684
Hunter-Lab	40.9001, 73.3513, 0.7299

Details

The Yxy color **16.7282, 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 **52.6516, 0.2769, 0.5168**, and the grayscale version is **7.9309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8928, 0.4141, 0.2515**, and **7.8388, 0.5133, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **16.7261, 0.4801, 0.2418**, and if you desaturate by 10%, it is **17.5668, 0.4586, 0.2359**.

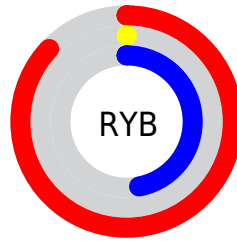
Distribution



Red (87%)

Green (0%)

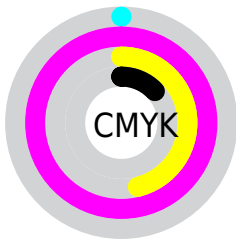
Blue (47%)



Red (87%)

Yellow (0%)

Blue (47%)

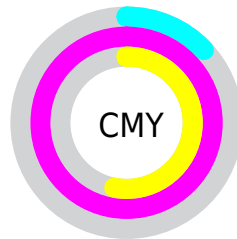


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (13%)



Cyan (13%)

Magenta (100%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7282, 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 16.7282, 0.4800, 0.2418 by changing the saturation by 10% instead.


 16.7282, 0.4800,
0.2418


 16.7282, 0.4800,
0.2418


233.6012, 0.3843,
0.2912


 10.0409, 0.5083,
0.2274


 37.8579, 0.4420,
0.2613


 5.4261, 0.5474,
0.2077

 53.0690, 0.4288,
0.2681

 2.4994, 0.6040,
0.1794

 71.8902, 0.4179,
0.2737

 0.8763, 0.6905,
0.1370

 94.7059, 0.4089,
0.2784

 0.0000, 1.0000,
0.0000

 121.9005, 0.4013,
0.2824

 0.0000, 0.0000,
0.0000

 153.8582, 0.3948,

0.2857

190.9637, 0.3892,
0.2887

■ 16.7282, 0.4800,
0.2418

■ 16.7282, 0.4800,
0.2418

■ 16.7261, 0.4801,
0.2418

■ 17.5668, 0.4586,
0.2359

■ 19.0940, 0.4365,
0.2349

■ 21.5257, 0.4146,
0.2391

■ 24.9843, 0.3938,
0.2476

■ 29.5731, 0.3749,
0.2592

■ 35.3825, 0.3581,
0.2727

■ 42.4937, 0.3437,
0.2871

■ 50.9810, 0.3315,
0.3016

■ 60.9130, 0.3212,
0.3157

Harmonies

Analogous

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



16.7282, 0.3236, 0.1798



16.7282, 0.4800, 0.2418



16.7282, 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.



16.7282, 0.4800, 0.2418



16.7282, 0.3683, 0.5939



16.7282, 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.



16.7282, 0.4800, 0.2418



52.6516, 0.2769, 0.5168

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.



16.7282, 0.1029, 0.2512



16.7282, 0.4800, 0.2418



16.7282, 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.



16.7282, 0.4800, 0.2418



16.7282, 0.4867, 0.5008



16.7282, 0.1497, 0.4190



16.7282, 0.1284, 0.1382

Rectangle

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



16.7282, 0.4800, 0.2418



16.7282, 0.5852, 0.3704



16.7282, 0.1497, 0.4190



16.7282, 0.0964, 0.1870

Sweetspot

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



16.7292, 0.4800, 0.2418



58.4687, 0.3441, 0.2867



7.9031, 0.1919, 0.0831



11.5763, 0.3500, 0.2805



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.



16.7292, 0.4800, 0.2418



23.1069, 0.4817, 0.2427



15.3977, 0.6358, 0.3276



13.1692, 0.3207, 0.3164



9.7402, 0.4769, 0.2401



0.6483, 0.4446, 0.2223

Inverse Universe

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



16.7292, 0.4800, 0.2418



23.1069, 0.4817, 0.2427



56.3608, 0.2290, 0.3443



13.1692, 0.3207, 0.3164



9.7402, 0.4769, 0.2401



0.6483, 0.4446, 0.2223

Previews

White Background



This preview shows how the Yxy color 16.7282, 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 16.7282, 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 16.7282, 0.4800, 0.2418

Background



This preview shows how black text looks on a background with the Yxy color 16.7282, 0.4800, 0.2418.



This preview shows how white text looks on a background with the Yxy color 16.7282, 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

16.7282, 0.4800, 0.2418

Protanopia

17.5386, 0.2361, 0.2252

Deuteranopia

17.4032, 0.3369, 0.3310



Tritanopia

17.0790, 0.5833, 0.3298

Trichromacy



Original Color

16.7282, 0.4800, 0.2418



Protanomaly

12.7609, 0.3001, 0.1994



Deuteranomaly

13.4028, 0.3956, 0.2626



Tritanomaly

16.3798, 0.5566, 0.2976

Monochromacy



Original Color

16.7282, 0.4800, 0.2418



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.0192, 0.3899, 0.2480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7282, 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(221, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 120)  
}
```

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(221, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 120) }
```

Border

The CSS property to change the border of an element to Yxy 16.7282, 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(221, 0, 120) }
```

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

```
.border{ border-color:rgb(221, 0, 120) }
```

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

Here you see how a box with a 4 pixel rgb(221, 0, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7282, 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(221, 0, 120) }
```

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

```
.background{ background-color: rgb(221, 0,  
120) }
```

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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