

Converting Colors

$Y_{xy}(12.8965, 0.4940, 0.2088)$

Have a look what the booklet for
Yxy(12.8965, 0.4940, 0.2088)
contains.

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Color

Yxy(16.2373, 0.4786, 0.2410)

Conversions

Conversions Part 1

Format	Color
Hex	DA0077
RGB	218, 0, 119
RGB Percent	85%, 0%, 47%
CMY	0.1451, 1.0000, 0.5333
CMYK	0.00, 1.00, 0.45, 0.15
HSL	327°, 100%, 43%
HSV	327°, 100%, 85%
XYZ	32.2455, 16.2373, 18.8919
YIQ	78.7480, 91.7290, 83.2250

Conversions

Conversions Part 2

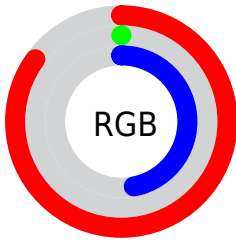
Format	Color
R_{YB}	218, 0, 119
Decimal	14286967
CIE _{Lab}	47.28, 75.95, -2.44
CIE _{LCh}	47, 75.985, 358.161
Yxy	16.2373, 0.4786, 0.2410
Android (android.graphics.Color)	4292477047 (0xFFDA0077)
YUV	78.7480, 19.8442, 122.1240
Hunter-Lab	40.2955, 72.3231, 0.4098

Details

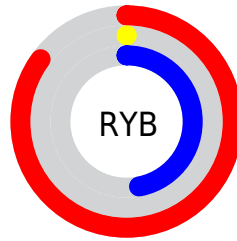
The Yxy color **16.2373, 0.4786, 0.2410** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **51.0472, 0.2772, 0.5178**, and the grayscale version is **7.7170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6824, 0.4157, 0.2516**, and **7.6230, 0.5133, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **16.2388, 0.4786, 0.2410**, and if you desaturate by 10%, it is **17.0555, 0.4574, 0.2353**.

Distribution



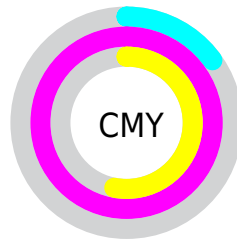
- Red (85%)
- Green (0%)
- Blue (47%)



- Red (85%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (15%)




- Cyan (15%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2373, 0.4786, 0.2410 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 16.2373, 0.4786, 0.2410 by changing the saturation by 10% instead.


 16.2373, 0.4786,
0.2410


 16.2373, 0.4786,
0.2410


230.7379, 0.3833,
0.2910


 9.6922, 0.5070,
0.2264


 37.0097, 0.4407,
0.2607


 5.1954, 0.5463,
0.2063

 52.0058, 0.4275,
0.2676

 2.3623, 0.6035,
0.1775

 70.5877, 0.4167,
0.2733

 0.8064, 0.6917,
0.1339

 93.1398, 0.4077,
0.2780

 0.0000, 1.0000,
0.0000

 120.0464, 0.4002,
0.2820

 0.0000, 0.0000,
0.0000

 151.6921, 0.3938,

0.2854

188.4611, 0.3882,
0.2884

■ 16.2373, 0.4786,
0.2410

■ 16.2373, 0.4786,
0.2410

■ 16.2388, 0.4786,
0.2410

■ 17.0555, 0.4574,
0.2353

■ 18.5370, 0.4355,
0.2343

■ 20.8942, 0.4138,
0.2386

■ 24.2456, 0.3932,
0.2472

■ 28.6908, 0.3744,
0.2589

■ 34.3175, 0.3578,
0.2724

■ 41.2041, 0.3435,
0.2868

■ 49.4225, 0.3314,
0.3014

■ 59.0390, 0.3212,
0.3155

Harmonies

Analogous

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



16.2373, 0.3221, 0.1792



16.2373, 0.4786, 0.2410



16.2373, 0.5801, 0.3158

Triad

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



16.2373, 0.4786, 0.2410



16.2373, 0.3695, 0.5933



16.2373, 0.0987, 0.1672

Complementary

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



16.2373, 0.4786, 0.2410



51.0472, 0.2772, 0.5178

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.



16.2373, 0.1030, 0.2524



16.2373, 0.4786, 0.2410



16.2373, 0.2489, 0.5888

Square

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



16.2373, 0.4786, 0.2410



16.2373, 0.4880, 0.4999



16.2373, 0.1504, 0.4211



16.2373, 0.1278, 0.1382

Rectangle

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



16.2373, 0.4786, 0.2410



16.2373, 0.5856, 0.3695



16.2373, 0.1504, 0.4211



16.2373, 0.0963, 0.1877

Sweetspot

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



16.2388, 0.4786, 0.2410



58.4814, 0.3439, 0.2864



7.6647, 0.1919, 0.0831



11.5793, 0.3497, 0.2802



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.



16.2388, 0.4786, 0.2410



23.1302, 0.4803, 0.2420



14.9305, 0.6358, 0.3276



13.1699, 0.3207, 0.3163



9.7500, 0.4756, 0.2394



0.6490, 0.4436, 0.2217

Inverse Universe

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



16.2388, 0.4786, 0.2410



23.1302, 0.4803, 0.2420



54.6567, 0.2290, 0.3443



13.1699, 0.3207, 0.3163



9.7500, 0.4756, 0.2394



0.6490, 0.4436, 0.2217

Previews

White Background



This preview shows how the Yxy color 16.2373, 0.4786, 0.2410 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 16.2373, 0.4786, 0.2410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

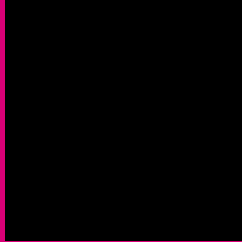
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2373, 0.4786, 0.2410

Background



This preview shows how black text looks on a background with the Yxy color 16.2373, 0.4786, 0.2410.



This preview shows how white text looks on a background with the Yxy color 16.2373, 0.4786, 0.2410.

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

16.2373, 0.4786, 0.2410

Protanopia

16.9083, 0.2352, 0.2239

Deuteranopia

16.7897, 0.3360, 0.3291



Tritanopia

16.5426, 0.5825, 0.3291

Trichromacy



Original Color

16.2373, 0.4786, 0.2410



Protanomaly

12.2624, 0.2999, 0.1980



Deuteranomaly

13.0462, 0.3948, 0.2619



Tritanomaly

15.8700, 0.5549, 0.2962

Monochromacy



Original Color

16.2373, 0.4786, 0.2410



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

7.8352, 0.3907, 0.2475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2373, 0.4786, 0.2410 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(218, 0, 119)` looks like.

```
.text, #text, p{  
  color:rgb(218, 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(218, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 119) }
```

Border

The CSS property to change the border of an element to Yxy 16.2373, 0.4786, 0.2410 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(218, 0, 119) }
```

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

```
.border{ border-color:rgb(218, 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(218, 0, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2373, 0.4786, 0.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 119) }
```

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

```
.background{ background-color: rgb(218, 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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