

Converting Colors

$Y_{xy}(12.7779, 0.5026, 0.2097)$

Have a look what the booklet for
Yxy(12.7779, 0.5026, 0.2097)
contains.

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Color

Yxy(16.3444, 0.4836, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	DB0075
RGB	219, 0, 117
RGB Percent	86%, 0%, 46%
CMY	0.1412, 0.9994, 0.5412
CMYK	0.00, 1.00, 0.47, 0.14
HSL	328°, 100%, 43%
HSV	328°, 100%, 86%
XYZ	32.4206, 16.3444, 18.2752
YIQ	78.8190, 92.9670, 82.8150

Conversions

Conversions Part 2

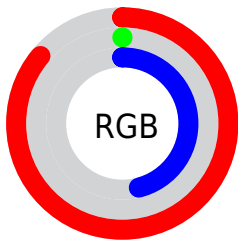
Format	Color
RYB	219, 0, 117
Decimal	14352501
CIELab	47.42, 75.98, -0.97
CIELCh	47, 75.984, 359.267
Yxy	16.3444, 0.4836, 0.2438
Android (android.graphics.Color)	4292542581 (0xFFDB0075)
YUV	78.8190, 18.8232, 122.9387
Hunter-Lab	40.4282, 72.3953, 1.4983

Details

The Yxy color **16.3444, 0.4836, 0.2438** 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 **51.6178, 0.2761, 0.5138**, and the grayscale version is **7.7503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7789, 0.4181, 0.2544**, and **7.5978, 0.5186, 0.2630** is the 20% darker color. If you saturate the color by 10%, you get **16.3401, 0.4838, 0.2439**, and if you desaturate by 10%, it is **17.1713, 0.4617, 0.2378**.

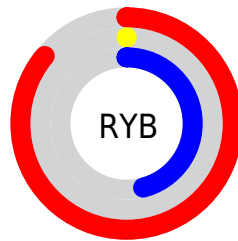
Distribution



Red (86%)

Green (0%)

Blue (46%)



Red (86%)

Yellow (0%)

Blue (46%)

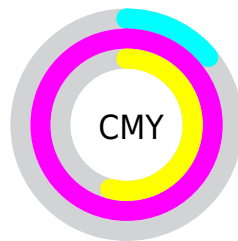


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (14%)



Cyan (14%)


Magenta (100%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3444, 0.4836, 0.2438 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 16.3444, 0.4836, 0.2438 by changing the saturation by 10% instead.


 16.3444, 0.4836,
0.2438


 16.3444, 0.4836,
0.2438


231.3655, 0.3854,
0.2926


 9.7682, 0.5129,
0.2294


 37.1951, 0.4445,
0.2631


 5.2455, 0.5534,
0.2095

 52.2383, 0.4309,
0.2699


 2.3920, 0.6123,
0.1808

 70.8727, 0.4197,
0.2754

 0.8218, 0.7024,
0.1370

 93.4826, 0.4105,
0.2800

 0.0000, 1.0000,
0.0000

 120.4525, 0.4027,
0.2839

 0.0000, 0.0000,
0.0000

 152.1666, 0.3961,

0.2872

189.0095, 0.3904,
0.2901

■ 16.3444, 0.4836,
0.2438

■ 16.3444, 0.4836,
0.2438

■ 16.3401, 0.4838,
0.2439

■ 17.1713, 0.4617,
0.2378

■ 18.6737, 0.4391,
0.2366

■ 21.0632, 0.4166,
0.2406

■ 24.4593, 0.3953,
0.2490

■ 28.9629, 0.3760,
0.2604

■ 34.6624, 0.3589,
0.2737

■ 41.6374, 0.3442,
0.2878

■ 49.9603, 0.3318,
0.3021

■ 59.6982, 0.3213,
0.3159

Harmonies

Analogous

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



16.3444, 0.3276, 0.1813



16.3444, 0.4836, 0.2438



16.3444, 0.5812, 0.3188

Triad

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



16.3444, 0.4836, 0.2438



16.3444, 0.3651, 0.5953



16.3444, 0.0994, 0.1656

Complementary

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



16.3444, 0.4836, 0.2438



51.6178, 0.2761, 0.5138

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.



16.3444, 0.1025, 0.2481



16.3444, 0.4836, 0.2438



16.3444, 0.2449, 0.5844

Square

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



16.3444, 0.4836, 0.2438



16.3444, 0.4839, 0.5037



16.3444, 0.1480, 0.4136



16.3444, 0.1299, 0.1381

Rectangle

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



16.3444, 0.4836, 0.2438



16.3444, 0.5842, 0.3728



16.3444, 0.1480, 0.4136



16.3444, 0.0967, 0.1854

Sweetspot

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



16.3454, 0.4836, 0.2438



58.4329, 0.3447, 0.2873



7.7490, 0.1920, 0.0831



11.5678, 0.3507, 0.2813



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.



16.3454, 0.4836, 0.2438



23.0420, 0.4855, 0.2448



15.0854, 0.6357, 0.3276



13.1672, 0.3209, 0.3166



9.7129, 0.4807, 0.2422



0.6466, 0.4475, 0.2239

Inverse Universe

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



16.3454, 0.4836, 0.2438



23.0420, 0.4855, 0.2448



55.2118, 0.2290, 0.3443



13.1672, 0.3209, 0.3166



9.7129, 0.4807, 0.2422



0.6466, 0.4475, 0.2239

Previews

White Background



This preview shows how the Yxy color 16.3444, 0.4836, 0.2438 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 16.3444, 0.4836, 0.2438 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 16.3444, 0.4836, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 16.3444, 0.4836, 0.2438.



This preview shows how white text looks on a background with the Yxy color 16.3444, 0.4836, 0.2438.

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

16.3444, 0.4836, 0.2438

Protanopia

17.1616, 0.2387, 0.2290

Deuteranopia

16.8238, 0.3400, 0.3329



Tritanopia

16.6063, 0.5849, 0.3291

Trichromacy



Original Color

16.3444, 0.4836, 0.2438



Protanomaly

12.4995, 0.3054, 0.2030



Deuteranomaly

13.1051, 0.4000, 0.2653



Tritanomaly

15.9455, 0.5594, 0.2980

Monochromacy



Original Color

16.3444, 0.4836, 0.2438



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

7.8173, 0.3930, 0.2493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3444, 0.4836, 0.2438 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(219, 0, 117)` looks like.

```
.text, #text, p{  
  color:rgb(219, 0, 117)  
}
```

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(219, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 117) }
```

Border

The CSS property to change the border of an element to Yxy 16.3444, 0.4836, 0.2438 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(219, 0, 117) }
```

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

```
.border{ border-color:rgb(219, 0, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3444, 0.4836, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 117) }
```

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

```
.background{ background-color: rgb(219, 0,  
117) }
```

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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