

Converting Colors

$Y_{xy}(16.7368, 0.4576, 0.2294)$

Have a look what the booklet for
Yxy(16.7368, 0.4576, 0.2294)
contains.

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Color

Yxy(16.6988, 0.4566, 0.2289)

Conversions

Conversions Part 1

Format	Color
Hex	DB0083
RGB	219, 0, 131
RGB Percent	86%, 0%, 51%
CMY	0.1412, 0.9998, 0.4862
CMYK	0.00, 1.00, 0.40, 0.14
HSL	324°, 100%, 43%
HSV	324°, 100%, 86%
XYZ	33.3101, 16.6988, 22.9435
YIQ	80.4150, 88.4730, 87.1690

Conversions

Conversions Part 2

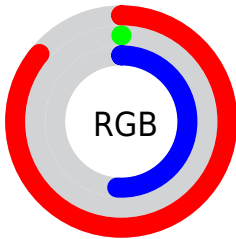
Format	Color
RYB	219, 0, 131
Decimal	14352515
CIELab	47.88, 77.18, -8.88
CIElCh	48, 77.691, 353.438
Yxy	16.6988, 0.4566, 0.2289
Android (android.graphics.Color)	4292542595 (0xFFDB0083)
YUV	80.4150, 24.9384, 121.5390
Hunter-Lab	40.8642, 73.9904, -4.6839

Details

The Yxy color **16.6988, 0.4566, 0.2289** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **51.3672, 0.2817, 0.5340**, and the grayscale version is **8.0511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3750, 0.3983, 0.2401**, and **7.8783, 0.4855, 0.2448** is the 20% darker color. If you saturate the color by 10%, you get **16.6980, 0.4566, 0.2289**, and if you desaturate by 10%, it is **17.5196, 0.4384, 0.2245**.

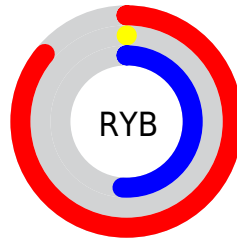
Distribution



Red (86%)

Green (0%)

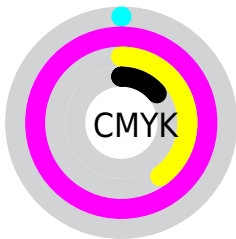
Blue (51%)



Red (86%)

Yellow (0%)

Blue (51%)

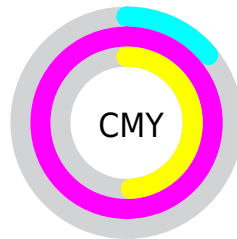


Cyan (0%)

Magenta (100%)

Yellow (40%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6988, 0.4566, 0.2289 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 16.6988, 0.4566, 0.2289 by changing the saturation by 10% instead.


 16.6988, 0.4566,
0.2289


 16.6988, 0.4566,
0.2289


233.4306, 0.3752,
0.2838


 10.0200, 0.4804,
0.2137

 37.8072, 0.4246,
0.2500


 5.4122, 0.5130,
0.1933


 53.0055, 0.4133,
0.2576


 2.4911, 0.5602,
0.1650

 71.8125, 0.4041,
0.2638

 0.8722, 0.6327,
0.1242

 94.6125, 0.3964,
0.2691

 0.0000, 0.8427,
0.0000

 121.7899, 0.3899,
0.2736

 0.0000, 1.0000,
0.0000

 153.7291, 0.3843,

 0.0000, 0.0000,

0.2774

0.0000

190.8146, 0.3794,
0.2808

■ 16.6988, 0.4566,
0.2289

■ 16.6988, 0.4566,
0.2289

■ 16.6980, 0.4566,
0.2289

■ 17.5196, 0.4384,
0.2245

■ 19.0077, 0.4197,
0.2247

■ 21.3758, 0.4012,
0.2301

■ 24.7433, 0.3835,
0.2398

■ 29.2110, 0.3673,
0.2526

■ 34.8671, 0.3528,
0.2673

■ 41.7908, 0.3402,
0.2830

■ 50.0545, 0.3294,
0.2988

■ 59.7252, 0.3203,
0.3143

Harmonies

Analogous

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



16.6988, 0.2987, 0.1703



16.6988, 0.4566, 0.2289



16.6988, 0.5743, 0.3029

Triad

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



16.6988, 0.4566, 0.2289



16.6988, 0.3884, 0.5840



16.6988, 0.0954, 0.1744

Complementary

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



16.6988, 0.4566, 0.2289



51.3672, 0.2817, 0.5340

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.



16.6988, 0.1053, 0.2722



16.6988, 0.4566, 0.2289



16.6988, 0.2661, 0.6054

Square

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



16.6988, 0.4566, 0.2289



16.6988, 0.5055, 0.4836



16.6988, 0.1610, 0.4545



16.6988, 0.1193, 0.1385

Rectangle

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



16.6988, 0.4566, 0.2289



16.6988, 0.5914, 0.3557



16.6988, 0.1610, 0.4545



16.6988, 0.0947, 0.1983

Sweetspot

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



16.6998, 0.4566, 0.2289



58.6959, 0.3406, 0.2825



7.1723, 0.1834, 0.0784



11.6302, 0.3457, 0.2758



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.



16.6998, 0.4566, 0.2289



23.5441, 0.4581, 0.2297



15.1185, 0.6299, 0.3244



13.1816, 0.3199, 0.3151



9.9236, 0.4540, 0.2275



0.6598, 0.4265, 0.2123

Inverse Universe

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



16.6998, 0.4566, 0.2289



23.5441, 0.4581, 0.2297



54.6979, 0.2335, 0.3606



13.1816, 0.3199, 0.3151



9.9236, 0.4540, 0.2275



0.6598, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 16.6988, 0.4566, 0.2289 looks on a white background.

Color Contrast Check

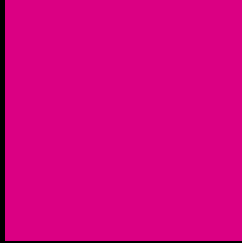
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6988, 0.4566, 0.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

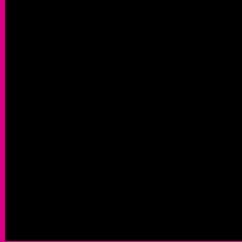
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6988, 0.4566, 0.2289

Background



This preview shows how black text looks on a background with the Yxy color 16.6988, 0.4566, 0.2289.



This preview shows how white text looks on a background with the Yxy color 16.6988, 0.4566, 0.2289.

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

16.6988, 0.4566, 0.2289

Protanopia

17.4195, 0.2184, 0.2021

Deuteranopia

17.2786, 0.3162, 0.3101



Tritanopia

17.1601, 0.5731, 0.3290

Trichromacy



Original Color

16.6988, 0.4566, 0.2289



Protanomaly

12.4931, 0.2748, 0.1796



Deuteranomaly

13.3581, 0.3715, 0.2450



Tritanomaly

16.2807, 0.5424, 0.2910

Monochromacy



Original Color

16.6988, 0.4566, 0.2289



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.0938, 0.3810, 0.2410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6988, 0.4566, 0.2289 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 131) }
```

Border

The CSS property to change the border of an element to Yxy 16.6988, 0.4566, 0.2289 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, 131) }
```

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

```
.border{ border-color:rgb(219, 0, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6988, 0.4566, 0.2289 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, 131) }
```

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

```
.background{ background-color: rgb(219, 0,  
131) }
```

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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