

Converting Colors

$Yxy(16.0663, 0.5074, 0.2569)$

Have a look what the booklet for
Yxy(16.0663, 0.5074, 0.2569)
contains.

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Color

Yxy(16.0800, 0.5071, 0.2567)

Conversions

Conversions Part 1

Format	Color
Hex	DB0069
RGB	219, 0, 105
RGB Percent	86%, 0%, 41%
CMY	0.1411, 1.0000, 0.5882
CMYK	0.00, 1.00, 0.52, 0.14
HSL	331°, 100%, 43%
HSV	331°, 100%, 86%
XYZ	31.7654, 16.0800, 14.7959
YIQ	77.4510, 96.8190, 79.0830

Conversions

Conversions Part 2

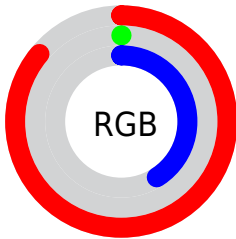
Format	Color
R_{YB}	219, 0, 105
Decimal	14352489
CIE _{Lab}	47.08, 75.09, 5.93
CIE _{LCh}	47, 75.324, 4.519
Yxy	16.0800, 0.5071, 0.2567
Android (android.graphics.Color)	4292542569 (0xFFDB0069)
YUV	77.4510, 13.5817, 124.1385
Hunter-Lab	40.0999, 71.2251, 6.1934

Details

The Yxy color **16.0800, 0.5071, 0.2567** 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 **51.8822, 0.2710, 0.4956**, and the grayscale version is **7.4710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1425, 0.4361, 0.2664**, and **7.4736, 0.5470, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **16.0814, 0.5071, 0.2567**, and if you desaturate by 10%, it is **16.9018, 0.4822, 0.2494**.

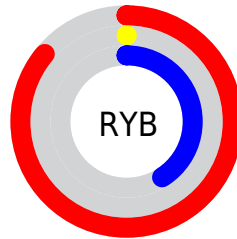
Distribution



Red (86%)

Green (0%)

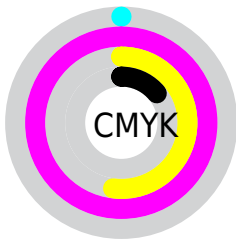
Blue (41%)



Red (86%)

Yellow (0%)

Blue (41%)

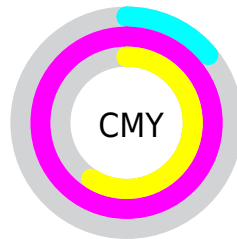


Cyan (0%)

Magenta (100%)

Yellow (52%)

Black (14%)



Cyan (14%)


Magenta (100%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0800, 0.5071, 0.2567 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 16.0800, 0.5071, 0.2567 by changing the saturation by 10% instead.


 16.0800, 0.5071,
0.2567


 16.0800, 0.5071,
0.2567


229.8133, 0.3943,
0.3003


 9.5808, 0.5409,
0.2429


 36.7370, 0.4620,
0.2746


 5.1219, 0.5875,
0.2232

 51.6636, 0.4464,
0.2807


 2.3190, 0.6548,
0.1936

 70.1682, 0.4336,
0.2856

 0.7837, 0.7680,
0.1488

 92.6350, 0.4230,
0.2896

 0.0000, 1.0000,
0.0000

 119.4485, 0.4142,
0.2929

 0.0000, 0.0000,
0.0000

 150.9932, 0.4066,

0.2957

187.6533, 0.4000,
0.2982

■ 16.0800, 0.5071,
0.2567

■ 16.0800, 0.5071,
0.2567

■ 16.0814, 0.5071,
0.2567

■ 16.9018, 0.4822,
0.2494

■ 18.4014, 0.4562,
0.2470

■ 20.7932, 0.4303,
0.2498

■ 24.1974, 0.4058,
0.2569

■ 28.7153, 0.3837,
0.2670

■ 34.4358, 0.3643,
0.2790

■ 41.4386, 0.3478,
0.2918

■ 49.7967, 0.3339,
0.3047

■ 59.5773, 0.3223,
0.3172

Harmonies

Analogous

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



16.0800, 0.3545, 0.1909



16.0800, 0.5071, 0.2567



16.0800, 0.5860, 0.3327

Triad

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



16.0800, 0.5071, 0.2567



16.0800, 0.3439, 0.6040



16.0800, 0.1027, 0.1581

Complementary

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



16.0800, 0.5071, 0.2567



51.8822, 0.2710, 0.4956

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.



16.0800, 0.0998, 0.2285



16.0800, 0.5071, 0.2567



16.0800, 0.2255, 0.5626

Square

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



16.0800, 0.5071, 0.2567



16.0800, 0.4643, 0.5219



16.0800, 0.1367, 0.3792



16.0800, 0.1394, 0.1375

Rectangle

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



16.0800, 0.5071, 0.2567



16.0800, 0.5769, 0.3881



16.0800, 0.1367, 0.3792



16.0800, 0.0981, 0.1746

Sweetspot

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



16.0814, 0.5071, 0.2567



58.2156, 0.3482, 0.2914



8.6358, 0.2045, 0.0900



11.5165, 0.3549, 0.2860



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.



16.0814, 0.5071, 0.2567



22.6717, 0.5090, 0.2578



15.1406, 0.6391, 0.3307



13.1550, 0.3217, 0.3178



9.5566, 0.5036, 0.2548



0.6365, 0.4660, 0.2341

Inverse Universe

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



16.0814, 0.5071, 0.2567



22.6717, 0.5090, 0.2578



53.8982, 0.2232, 0.3236



13.1550, 0.3217, 0.3178



9.5566, 0.5036, 0.2548



0.6365, 0.4660, 0.2341

Previews

White Background



This preview shows how the Yxy color 16.0800, 0.5071, 0.2567 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 16.0800, 0.5071, 0.2567 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 16.0800, 0.5071, 0.2567

Background



This preview shows how black text looks on a background with the Yxy color 16.0800, 0.5071, 0.2567.



This preview shows how white text looks on a background with the Yxy color 16.0800, 0.5071, 0.2567.

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

16.0800, 0.5071, 0.2567

Protanopia

16.7389, 0.2591, 0.2543

Deuteranopia

16.6071, 0.3610, 0.3539



Tritanopia

16.4150, 0.5949, 0.3305

Trichromacy



Original Color

16.0800, 0.5071, 0.2567



Protanomaly

12.2755, 0.3334, 0.2236



Deuteranomaly

12.9436, 0.4263, 0.2832



Tritanomaly

15.9057, 0.5736, 0.3048

Monochromacy



Original Color

16.0800, 0.5071, 0.2567



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.5519, 0.4056, 0.2580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0800, 0.5071, 0.2567 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 105) }
```

Border

The CSS property to change the border of an element to Yxy 16.0800, 0.5071, 0.2567 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, 105) }
```

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

```
.border{ border-color:rgb(219, 0, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 105);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0800, 0.5071, 0.2567 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, 105) }
```

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

```
.background{ background-color: rgb(219, 0,  
105) }
```

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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