

Converting Colors

$Yxy(16.1789, 0.4667, 0.2344)$

Have a look what the booklet for
Yxy(16.1789, 0.4667, 0.2344)
contains.

Yxy(16.2069, 0.4677, 0.2350)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.2069, 0.4677, 0.2350)

Conversions

Conversions Part 1

Format	Color
Hex	D9007C
RGB	217, 0, 124
RGB Percent	85%, 0%, 49%
CMY	0.1490, 1.0000, 0.5136
CMYK	0.00, 1.00, 0.43, 0.15
HSL	326°, 100%, 43%
HSV	326°, 100%, 85%
XYZ	32.2552, 16.2069, 20.5035
YIQ	79.0190, 89.5280, 84.5680

Conversions

Conversions Part 2

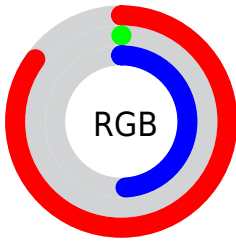
Format	Color
R_{YB}	217, 0, 124
Decimal	14221436
CIE _{Lab}	47.24, 76.15, -5.59
CIE _{LCh}	47, 76.356, 355.800
Yxy	16.2069, 0.4677, 0.2350
Android (android.graphics.Color)	4292411516 (0xFFD9007C)
YUV	79.0190, 22.1756, 121.0093
Hunter-Lab	40.2578, 72.5659, -2.0162

Details

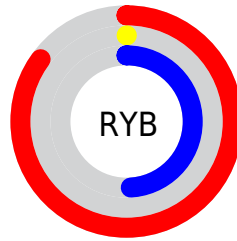
The Yxy color **16.2069, 0.4677, 0.2350** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **50.4177, 0.2794, 0.5258**, and the grayscale version is **7.7671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8768, 0.4090, 0.2468**, and **7.5759, 0.5013, 0.2535** is the 20% darker color. If you saturate the color by 10%, you get **16.2080, 0.4677, 0.2350**, and if you desaturate by 10%, it is **17.0170, 0.4479, 0.2299**.

Distribution



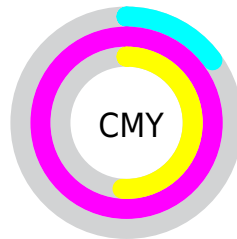
- Red (85%)
- Green (0%)
- Blue (49%)



- Red (85%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2069, 0.4677, 0.2350 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 16.2069, 0.4677, 0.2350 by changing the saturation by 10% instead.


 16.2069, 0.4677,
0.2350


 16.2069, 0.4677,
0.2350


230.5595, 0.3791,
0.2875


 9.6707, 0.4940,
0.2200


 36.9570, 0.4326,
0.2555


 5.1812, 0.5303,
0.1996


 51.9397, 0.4203,
0.2627


 2.3539, 0.5832,
0.1708

 70.5067, 0.4102,
0.2687

 0.8020, 0.6652,
0.1280

 93.0423, 0.4019,
0.2737

 0.0000, 0.9683,
0.0000

 119.9310, 0.3949,
0.2780

 0.0000, 1.0000,
0.0000

 151.5572, 0.3889,

 0.0000, 0.0000,

0.2816

0.0000

188.3052, 0.3837,
0.2848

■ 16.2069, 0.4677,
0.2350

■ 16.2069, 0.4677,
0.2350

■ 16.2080, 0.4677,
0.2350

■ 17.0170, 0.4479,
0.2299

■ 18.4809, 0.4277,
0.2296

■ 20.8087, 0.4075,
0.2344

■ 24.1173, 0.3884,
0.2436

■ 28.5053, 0.3709,
0.2558

■ 34.0590, 0.3554,
0.2699

■ 40.8560, 0.3419,
0.2849

■ 48.9672, 0.3304,
0.3001

■ 58.4582, 0.3208,
0.3149

Harmonies

Analogous

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



16.2069, 0.3103, 0.1747



16.2069, 0.4677, 0.2350



16.2069, 0.5774, 0.3094

Triad

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



16.2069, 0.4677, 0.2350



16.2069, 0.3789, 0.5888



16.2069, 0.0971, 0.1708

Complementary

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



16.2069, 0.4677, 0.2350



50.4177, 0.2794, 0.5258

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.



16.2069, 0.1042, 0.2621



16.2069, 0.4677, 0.2350



16.2069, 0.2576, 0.5974

Square

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



16.2069, 0.4677, 0.2350



16.2069, 0.4969, 0.4919



16.2069, 0.1556, 0.4375



16.2069, 0.1236, 0.1384

Rectangle

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



16.2069, 0.4677, 0.2350



16.2069, 0.5886, 0.3626



16.2069, 0.1556, 0.4375



16.2069, 0.0955, 0.1929

Sweetspot

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



16.2080, 0.4677, 0.2350



58.5859, 0.3422, 0.2845



7.2046, 0.1862, 0.0799



11.6041, 0.3477, 0.2781



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.



16.2080, 0.4677, 0.2350



23.3271, 0.4693, 0.2359



14.7962, 0.6322, 0.3256



13.1756, 0.3203, 0.3157



9.8327, 0.4650, 0.2335



0.6541, 0.4351, 0.2171

Inverse Universe

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



16.2080, 0.4677, 0.2350



23.3271, 0.4693, 0.2359



53.7474, 0.2320, 0.3551



13.1756, 0.3203, 0.3157



9.8327, 0.4650, 0.2335



0.6541, 0.4351, 0.2171

Previews

White Background



This preview shows how the Yxy color 16.2069, 0.4677, 0.2350 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 16.2069, 0.4677, 0.2350 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 16.2069, 0.4677, 0.2350

Background



This preview shows how black text looks on a background with the Yxy color 16.2069, 0.4677, 0.2350.



This preview shows how white text looks on a background with the Yxy color 16.2069, 0.4677, 0.2350.

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

16.2069, 0.4677, 0.2350

Protanopia

16.9764, 0.2271, 0.2136

Deuteranopia

16.7496, 0.3267, 0.3195



Tritanopia

16.5730, 0.5780, 0.3290

Trichromacy



Original Color

16.2069, 0.4677, 0.2350



Protanomaly

12.2093, 0.2880, 0.1893



Deuteranomaly

12.9574, 0.3826, 0.2534



Tritanomaly

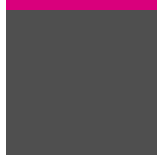
15.8119, 0.5486, 0.2934

Monochromacy



Original Color

16.2069, 0.4677, 0.2350



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

7.7746, 0.3866, 0.2451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2069, 0.4677, 0.2350 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(217, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 124)  
}
```

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(217, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 124) }
```

Border

The CSS property to change the border of an element to Yxy 16.2069, 0.4677, 0.2350 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(217, 0, 124) }
```

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

```
.border{ border-color:rgb(217, 0, 124) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2069, 0.4677, 0.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 124) }
```

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

```
.background{ background-color: rgb(217, 0,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor