

Converting Colors

$Yxy(14.3320, 0.3941, 0.1776)$

Have a look what the booklet for
Yxy(14.3320, 0.3941, 0.1776)
contains.

Yxy(16.0934, 0.3915, 0.1930)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.0934, 0.3915, 0.1930)

Conversions

Conversions Part 1

Format	Color
Hex	D100A0
RGB	209, 0, 160
RGB Percent	82%, 0%, 63%
CMY	0.1803, 1.0000, 0.3725
CMYK	0.00, 1.00, 0.23, 0.18
HSL	314°, 100%, 41%
HSV	314°, 100%, 82%
XYZ	32.6454, 16.0934, 34.6467
YIQ	80.7310, 73.2040, 94.0680

Conversions

Conversions Part 2

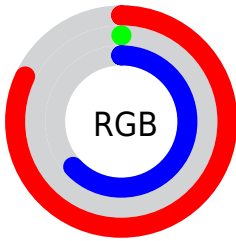
Format	Color
R_{YB}	209, 0, 160
Decimal	13697184
CIE _{Lab}	47.10, 78.19, -27.75
CIE _{LCh}	47, 82.969, 340.457
Yxy	16.0934, 0.3915, 0.1930
Android (android.graphics.Color)	4291887264 (0xFFD100A0)
YUV	80.7310, 39.0796, 112.4919
Hunter-Lab	40.1166, 75.0528, -23.1242

Details

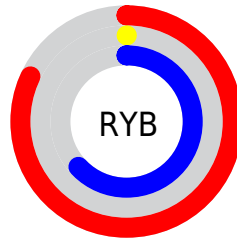
The Yxy color **16.0934, 0.3915, 0.1930** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **45.8353, 0.2930, 0.5750**, and the grayscale version is **8.0853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6485, 0.3608, 0.2121**, and **7.4723, 0.4037, 0.1998** is the 20% darker color. If you saturate the color by 10%, you get **16.0973, 0.3915, 0.1930**, and if you desaturate by 10%, it is **16.8051, 0.3825, 0.1927**.

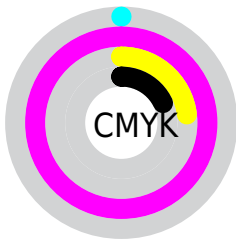
Distribution



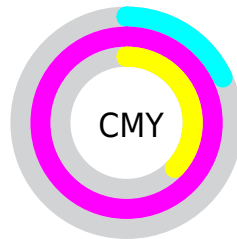
- Red (82%)
- Green (0%)
- Blue (63%)



- Red (82%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0934, 0.3915, 0.1930 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 16.0934, 0.3915, 0.1930 by changing the saturation by 10% instead.


 16.0934, 0.3915,
0.1930


 16.0934, 0.3915,
0.1930


229.8922, 0.3500,
0.2632


 9.5903, 0.4023,
0.1753


 36.7603, 0.3760,
0.2188


 5.1282, 0.4164,
0.1527


 51.6928, 0.3703,
0.2284


 2.3226, 0.4353,
0.1234


 70.2039, 0.3655,
0.2365

 0.7857, 0.4613,
0.0849

 92.6780, 0.3615,
0.2434

 0.0000, 0.5167,
0.0000

 119.4995, 0.3580,
0.2494

 0.0000, 0.5887,
0.0000

 151.0528, 0.3550,

 0.0000, 0.0000,

0.2546

0.0000

187.7222, 0.3524,
0.2591

■ 16.0934, 0.3915,
0.1930

■ 16.0934, 0.3915,
0.1930

■ 16.0973, 0.3915,
0.1930

■ 16.8051, 0.3825,
0.1927

■ 18.0963, 0.3732,
0.1965

■ 20.1656, 0.3637,
0.2050

■ 23.1189, 0.3544,
0.2177

■ 27.0456, 0.3455,
0.2336

■ 32.0239, 0.3373,
0.2517

■ 38.1243, 0.3299,
0.2710

■ 45.4111, 0.3233,
0.2908

■ 53.9436, 0.3176,
0.3102

Harmonies

Analogous

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



16.0934, 0.2357, 0.1443



16.0934, 0.3915, 0.1930



16.0934, 0.5518, 0.2642

Triad

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



16.0934, 0.3915, 0.1930



16.0934, 0.4448, 0.5552



16.0934, 0.0849, 0.1973

Complementary

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



16.0934, 0.3915, 0.1930



45.8353, 0.2930, 0.5750

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.



16.0934, 0.1112, 0.3410



16.0934, 0.3915, 0.1930



16.0934, 0.3122, 0.6366

Square

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



16.0934, 0.3915, 0.1930



16.0934, 0.5567, 0.4376



16.0934, 0.1917, 0.5575



16.0934, 0.0954, 0.1386

Rectangle

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



16.0934, 0.3915, 0.1930



16.0934, 0.6048, 0.3158



16.0934, 0.1917, 0.5575



16.0934, 0.0888, 0.2335

Sweetspot

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



16.0973, 0.3915, 0.1930



59.4181, 0.3301, 0.2703



5.2520, 0.1622, 0.0667



11.8031, 0.3332, 0.2620



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.



16.0973, 0.3915, 0.1930



25.2092, 0.3924, 0.1936



13.8420, 0.5896, 0.3022



11.9597, 0.3173, 0.3114



9.9383, 0.3903, 0.1923



0.5675, 0.3750, 0.1839

Inverse Universe

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



16.0973, 0.3915, 0.1930



25.2092, 0.3924, 0.1936



47.9228, 0.2496, 0.4185



11.9597, 0.3173, 0.3114



9.9383, 0.3903, 0.1923



0.5675, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 16.0934, 0.3915, 0.1930 looks on a white background.

Color Contrast Check

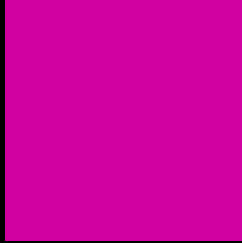
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0934, 0.3915, 0.1930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

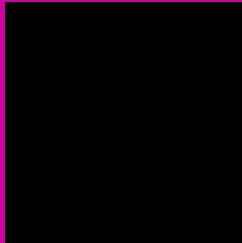
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0934, 0.3915, 0.1930

Background



This preview shows how black text looks on a background with the Yxy color 16.0934, 0.3915, 0.1930.



This preview shows how white text looks on a background with the Yxy color 16.0934, 0.3915, 0.1930.

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

16.0934, 0.3915, 0.1930

Protanopia

17.0552, 0.1796, 0.1522

Deuteranopia

16.7936, 0.2630, 0.2579



Tritanopia

16.5049, 0.5366, 0.3266

Trichromacy



Original Color

16.0934, 0.3915, 0.1930



Protanomaly

11.2888, 0.2069, 0.1297



Deuteranomaly

12.6792, 0.3029, 0.1978



Tritanomaly

15.4168, 0.4937, 0.2695

Monochromacy



Original Color

16.0934, 0.3915, 0.1930



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.1710, 0.3521, 0.2223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0934, 0.3915, 0.1930 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(209, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 160)  
}
```

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(209, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 160) }
```

Border

The CSS property to change the border of an element to Yxy 16.0934, 0.3915, 0.1930 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(209, 0, 160) }
```

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

```
.border{ border-color:rgb(209, 0, 160) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0934, 0.3915, 0.1930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 160) }
```

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

```
.background{ background-color: rgb(209, 0,  
160) }
```

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