

Converting Colors

$Yxy(16.1864, 0.4102, 0.2033)$

Have a look what the booklet for
Yxy(16.1864, 0.4102, 0.2033)
contains.

Yxy(16.2314, 0.4110, 0.2038)	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(16.2314, 0.4110, 0.2038)

Conversions

Conversions Part 1

Format	Color
Hex	D40097
RGB	212, 0, 151
RGB Percent	83%, 0%, 59%
CMY	0.1687, 0.9994, 0.4079
CMYK	0.00, 1.00, 0.29, 0.17
HSL	317°, 100%, 42%
HSV	317°, 100%, 83%
XYZ	32.7336, 16.2314, 30.6788
YIQ	80.6020, 77.8810, 91.9050

Conversions

Conversions Part 2

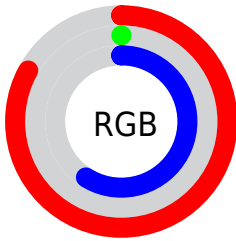
Format	Color
R_{YB}	212, 0, 151
Decimal	13893783
CIE Lab	47.28, 77.73, -22.02
CIE LCh	47, 80.788, 344.184
Yxy	16.2314, 0.4110, 0.2038
Android (android.graphics.Color)	4292083863 (0xFFD40097)
YUV	80.6020, 34.7062, 115.2360
Hunter-Lab	40.2882, 74.5243, -16.9466

Details

The Yxy color **16.2314, 0.4110, 0.2038** 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 **47.4205, 0.2900, 0.5638**, and the grayscale version is **8.0817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3221, 0.3723, 0.2212**, and **7.5955, 0.4288, 0.2136** is the 20% darker color. If you saturate the color by 10%, you get **16.2277, 0.4111, 0.2038**, and if you desaturate by 10%, it is **16.9817, 0.3993, 0.2023**.

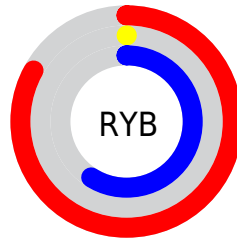
Distribution



Red (83%)

Green (0%)

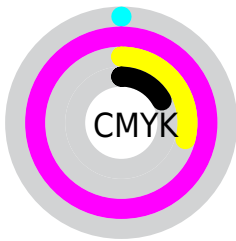
Blue (59%)



Red (83%)

Yellow (0%)

Blue (59%)

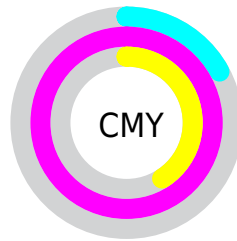


Cyan (0%)

Magenta (100%)

Yellow (29%)

Black (17%)



Cyan (17%)


Magenta (100%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2314, 0.4110, 0.2038 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 16.2314, 0.4110, 0.2038 by changing the saturation by 10% instead.


 16.2314, 0.4110,
0.2038


 16.2314, 0.4110,
0.2038


 230.7033, 0.3576,
0.2695


 9.6880, 0.4257,
0.1868


 36.9995, 0.3905,
0.2282


 5.1926, 0.4454,
0.1648


 51.9930, 0.3832,
0.2372


 2.3607, 0.4728,
0.1357


 70.5720, 0.3771,
0.2448

 0.8056, 0.5131,
0.0963

 93.1209, 0.3719,
0.2512

 0.0000, 0.6026,
0.0000

 120.0240, 0.3675,
0.2567

 0.0000, 0.9899,
0.0000

 151.6659, 0.3638,

 0.0000, 0.0000,

0.2615

0.0000

188.4309, 0.3605,
0.2657

■ 16.2314, 0.4110,
0.2038

■ 16.2314, 0.4110,
0.2038

■ 16.2277, 0.4111,
0.2038

■ 16.9817, 0.3993,
0.2023

■ 18.3413, 0.3872,
0.2051

■ 20.5089, 0.3751,
0.2127

■ 23.5941, 0.3633,
0.2246

■ 27.6894, 0.3522,
0.2396

■ 32.8760, 0.3421,
0.2567

■ 39.2267, 0.3331,
0.2749

■ 46.8081, 0.3252,
0.2934

■ 55.6816, 0.3184,
0.3116

Harmonies

Analogous

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



16.2314, 0.2538, 0.1521



16.2314, 0.4110, 0.2038



16.2314, 0.5593, 0.2759

Triad

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



16.2314, 0.4110, 0.2038



16.2314, 0.4279, 0.5644



16.2314, 0.0883, 0.1902

Complementary

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



16.2314, 0.4110, 0.2038



47.4205, 0.2900, 0.5638

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.



16.2314, 0.1096, 0.3185



16.2314, 0.4110, 0.2038



16.2314, 0.2992, 0.6300

Square

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



16.2314, 0.4110, 0.2038



16.2314, 0.5414, 0.4513



16.2314, 0.1828, 0.5260



16.2314, 0.1025, 0.1388

Rectangle

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



16.2314, 0.4110, 0.2038



16.2314, 0.6012, 0.3277



16.2314, 0.1828, 0.5260



16.2314, 0.0909, 0.2222

Sweetspot

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



16.2323, 0.4110, 0.2038



59.1816, 0.3334, 0.2742



5.7220, 0.1675, 0.0697



11.7463, 0.3371, 0.2663



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.



16.2323, 0.4110, 0.2038



24.6195, 0.4122, 0.2045



14.1961, 0.6047, 0.3106



12.5689, 0.3181, 0.3125



10.0376, 0.4095, 0.2029



0.6194, 0.3907, 0.1926

Inverse Universe

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



16.2323, 0.4110, 0.2038



24.6195, 0.4122, 0.2045



49.8384, 0.2446, 0.4006



12.5689, 0.3181, 0.3125



10.0376, 0.4095, 0.2029



0.6194, 0.3907, 0.1926

Previews

White Background



This preview shows how the Yxy color 16.2314, 0.4110, 0.2038 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 16.2314, 0.4110, 0.2038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

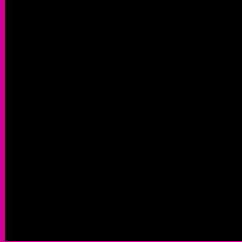
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2314, 0.4110, 0.2038

Background



This preview shows how black text looks on a background with the Yxy color 16.2314, 0.4110, 0.2038.



This preview shows how white text looks on a background with the Yxy color 16.2314, 0.4110, 0.2038.

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

16.2314, 0.4110, 0.2038

Protanopia

17.1747, 0.1904, 0.1660

Deuteranopia

16.8909, 0.2785, 0.2742



Tritanopia

16.7013, 0.5484, 0.3278

Trichromacy



Original Color

16.2314, 0.4110, 0.2038



Protanomaly

11.8897, 0.2288, 0.1454



Deuteranomaly

12.8467, 0.3227, 0.2118



Tritanomaly

15.6043, 0.5092, 0.2766

Monochromacy



Original Color

16.2314, 0.4110, 0.2038



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.1637, 0.3621, 0.2295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2314, 0.4110, 0.2038 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(212, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 151)  
}
```

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(212, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 151) }
```

Border

The CSS property to change the border of an element to Yxy 16.2314, 0.4110, 0.2038 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(212, 0, 151) }
```

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

```
.border{ border-color:rgb(212, 0, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2314, 0.4110, 0.2038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 151) }
```

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

```
.background{ background-color: rgb(212, 0,  
151) }
```

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