

Converting Colors

$Yxy(16.2012, 0.3872, 0.1907)$

Have a look what the booklet for
Yxy(16.2012, 0.3872, 0.1907)
contains.

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Color

Yxy(16.1997, 0.3864, 0.1903)

Conversions

Conversions Part 1

Format	Color
Hex	D100A3
RGB	209, 0, 163
RGB Percent	82%, 0%, 64%
CMY	0.1806, 0.9984, 0.3609
CMYK	0.00, 1.00, 0.22, 0.18
HSL	313°, 100%, 41%
HSV	313°, 100%, 82%
XYZ	32.8931, 16.1997, 36.0343
YIQ	81.0730, 72.2410, 95.0010

Conversions

Conversions Part 2

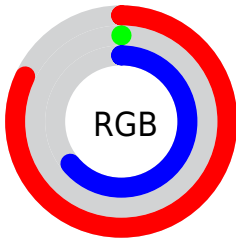
Format	Color
R_{YB}	209, 0, 163
Decimal	13697187
CIE _{Lab}	47.24, 78.48, -29.31
CIE _{LCh}	47, 83.772, 339.517
Yxy	16.1997, 0.3864, 0.1903
Android (android.graphics.Color)	4291887267 (0xFFD100A3)
YUV	81.0730, 40.3900, 112.1920
Hunter-Lab	40.2489, 75.4426, -24.9075

Details

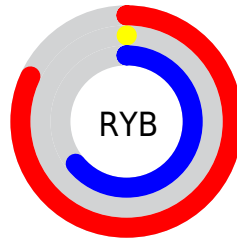
The Yxy color **16.1997, 0.3864, 0.1903** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **45.7788, 0.2937, 0.5772**, and the grayscale version is **8.1989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9762, 0.3573, 0.2103**, and **7.5373, 0.3966, 0.1958** is the 20% darker color. If you saturate the color by 10%, you get **16.1882, 0.3866, 0.1903**, and if you desaturate by 10%, it is **16.9075, 0.3781, 0.1903**.

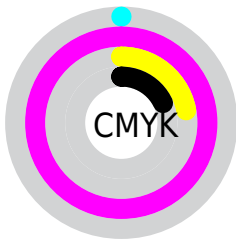
Distribution



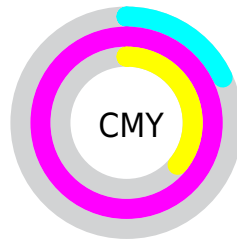
- Red (82%)
- Green (0%)
- Blue (64%)



- Red (82%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1997, 0.3864, 0.1903 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 16.1997, 0.3864, 0.1903 by changing the saturation by 10% instead.


 16.1997, 0.3864,
0.1903


 16.1997, 0.3864,
0.1903


230.5172, 0.3481,
0.2615


 9.6656, 0.3962,
0.1725


 36.9445, 0.3722,
0.2163


 5.1778, 0.4088,
0.1499


 51.9241, 0.3670,
0.2261

 2.3520, 0.4254,
0.1207


 70.4875, 0.3626,
0.2343

 0.8010, 0.4477,
0.0828

 93.0192, 0.3588,
0.2414

 0.0000, 0.4953,
0.0000

 119.9037, 0.3556,
0.2474

 0.0000, 0.5285,
0.0000

 151.5252, 0.3527,

 0.0000, 0.0000,

0.2527

0.0000

188.2683, 0.3503,
0.2574

■ 16.1997, 0.3864,
0.1903

■ 16.1997, 0.3864,
0.1903

■ 16.1882, 0.3866,
0.1903

■ 16.9075, 0.3781,
0.1903

■ 18.2045, 0.3694,
0.1945

■ 20.2805, 0.3606,
0.2033

■ 23.2408, 0.3519,
0.2162

■ 27.1746, 0.3436,
0.2324

■ 32.1597, 0.3359,
0.2508

■ 38.2665, 0.3289,
0.2704

■ 45.5590, 0.3227,
0.2905

■ 54.0964, 0.3173,
0.3103

Harmonies

Analogous

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



16.1997, 0.2313, 0.1424



16.1997, 0.3864, 0.1903



16.1997, 0.5495, 0.2613

Triad

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



16.1997, 0.3864, 0.1903



16.1997, 0.4484, 0.5516



16.1997, 0.0841, 0.1994

Complementary

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



16.1997, 0.3864, 0.1903



45.7788, 0.2937, 0.5772

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.



16.1997, 0.1117, 0.3472



16.1997, 0.3864, 0.1903



16.1997, 0.3155, 0.6376

Square

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



16.1997, 0.3864, 0.1903



16.1997, 0.5604, 0.4340



16.1997, 0.1940, 0.5654



16.1997, 0.0937, 0.1386

Rectangle

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



16.1997, 0.3864, 0.1903



16.1997, 0.6054, 0.3128



16.1997, 0.1940, 0.5654



16.1997, 0.0884, 0.2366

Sweetspot

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



16.2006, 0.3864, 0.1903



59.4812, 0.3293, 0.2693



5.1815, 0.1609, 0.0661



11.8183, 0.3322, 0.2609



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.



16.2006, 0.3864, 0.1903



25.3737, 0.3874, 0.1908



13.8779, 0.5835, 0.2990



11.9626, 0.3171, 0.3111



10.0019, 0.3854, 0.1897



0.5705, 0.3713, 0.1819

Inverse Universe

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



16.2006, 0.3864, 0.1903



25.3737, 0.3874, 0.1908



47.7762, 0.2512, 0.4243



11.9626, 0.3171, 0.3111



10.0019, 0.3854, 0.1897



0.5705, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 16.1997, 0.3864, 0.1903 looks on a white background.

Color Contrast Check

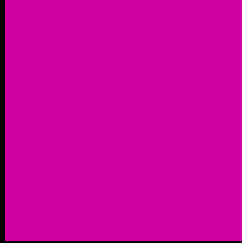
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1997, 0.3864, 0.1903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

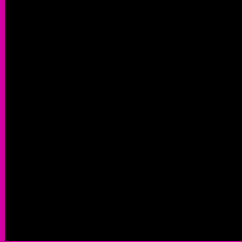
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1997, 0.3864, 0.1903

Background



This preview shows how black text looks on a background with the Yxy color 16.1997, 0.3864, 0.1903.



This preview shows how white text looks on a background with the Yxy color 16.1997, 0.3864, 0.1903.

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

16.1997, 0.3864, 0.1903

Protanopia

17.1156, 0.1767, 0.1484

Deuteranopia

16.8313, 0.2592, 0.2529



Tritanopia

16.5017, 0.5319, 0.3255

Trichromacy



Original Color

16.1997, 0.3864, 0.1903



Protanomaly

11.0607, 0.1998, 0.1253



Deuteranomaly

12.6916, 0.2976, 0.1937



Tritanomaly

15.4025, 0.4863, 0.2662

Monochromacy



Original Color

16.1997, 0.3864, 0.1903



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.1929, 0.3501, 0.2207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1997, 0.3864, 0.1903 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 163) }
```

Border

The CSS property to change the border of an element to Yxy 16.1997, 0.3864, 0.1903 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, 163) }
```

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

```
.border{ border-color:rgb(209, 0, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1997, 0.3864, 0.1903 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, 163) }
```

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

```
.background{ background-color: rgb(209, 0,  
163) }
```

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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