

Converting Colors

$Yxy(16.3567, 0.4012, 0.1984)$

Have a look what the booklet for
Yxy(16.3567, 0.4012, 0.1984)
contains.

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Color

Yxy(16.3973, 0.4022, 0.1989)

Conversions

Conversions Part 1

Format	Color
Hex	D4009C
RGB	212, 0, 156
RGB Percent	83%, 0%, 61%
CMY	0.1686, 1.0000, 0.3881
CMYK	0.00, 1.00, 0.26, 0.17
HSL	316°, 100%, 42%
HSV	316°, 100%, 83%
XYZ	33.1573, 16.3973, 32.8853
YIQ	81.1720, 76.2760, 93.4600

Conversions

Conversions Part 2

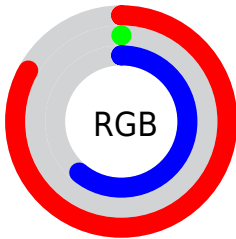
Format	Color
R_{YB}	212, 0, 156
Decimal	13893788
CIE _{Lab}	47.49, 78.31, -24.72
CIE _{LCh}	47, 82.118, 342.481
Yxy	16.3973, 0.4022, 0.1989
Android (android.graphics.Color)	4292083868 (0xFFD4009C)
YUV	81.1720, 36.8902, 114.7362
Hunter-Lab	40.4936, 75.2973, -19.8046

Details

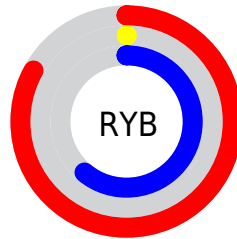
The Yxy color **16.3973, 0.4022, 0.1989** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **47.3792, 0.2914, 0.5692**, and the grayscale version is **8.1801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6174, 0.3653, 0.2161**, and **7.6749, 0.4188, 0.2081** is the 20% darker color. If you saturate the color by 10%, you get **16.4006, 0.4022, 0.1989**, and if you desaturate by 10%, it is **17.1385, 0.3917, 0.1979**.

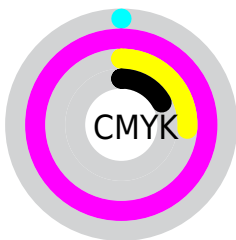
Distribution



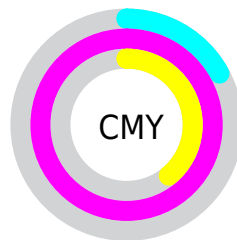
- Red (83%)
- Green (0%)
- Blue (61%)



- Red (83%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (17%)




- Cyan (17%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3973, 0.4022, 0.1989 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 16.3973, 0.4022, 0.1989 by changing the saturation by 10% instead.


 16.3973, 0.4022,
0.1989


 16.3973, 0.4022,
0.1989

231.6748, 0.3543,
0.2665


 9.8057, 0.4151,
0.1817


 37.2866, 0.3841,
0.2238


 5.2703, 0.4321,
0.1595


 52.3531, 0.3775,
0.2331

 2.4067, 0.4554,
0.1306


 71.0133, 0.3720,
0.2409

 0.8294, 0.4887,
0.0921

 93.6517, 0.3673,
0.2475

 0.0000, 0.5624,
0.0000

 120.6527, 0.3634,
0.2533

 0.0000, 0.7299,
0.0000

 152.4006, 0.3599,

 0.0000, 0.0000,

0.2582

0.0000

189.2798, 0.3569,
0.2626

■ 16.3973, 0.4022,
0.1989

■ 16.3973, 0.4022,
0.1989

■ 16.4006, 0.4022,
0.1989

■ 17.1385, 0.3917,
0.1979

■ 18.4823, 0.3809,
0.2012

■ 20.6319, 0.3700,
0.2092

■ 23.6970, 0.3593,
0.2214

■ 27.7703, 0.3492,
0.2368

■ 32.9329, 0.3400,
0.2543

■ 39.2578, 0.3317,
0.2731

■ 46.8114, 0.3244,
0.2921

■ 55.6554, 0.3181,
0.3109

Harmonies

Analogous

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



16.3973, 0.2455, 0.1485



16.3973, 0.4022, 0.1989



16.3973, 0.5560, 0.2706

Triad

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



16.3973, 0.4022, 0.1989



16.3973, 0.4356, 0.5604



16.3973, 0.0868, 0.1933

Complementary

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



16.3973, 0.4022, 0.1989



47.3792, 0.2914, 0.5692

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.



16.3973, 0.1103, 0.3284



16.3973, 0.4022, 0.1989



16.3973, 0.3052, 0.6333

Square

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



16.3973, 0.4022, 0.1989



16.3973, 0.5482, 0.4450



16.3973, 0.1868, 0.5402



16.3973, 0.0992, 0.1387

Rectangle

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



16.3973, 0.4022, 0.1989



16.3973, 0.6029, 0.3224



16.3973, 0.1868, 0.5402



16.3973, 0.0900, 0.2272

Sweetspot

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



16.4006, 0.4022, 0.1989



59.2868, 0.3319, 0.2725



5.5111, 0.1638, 0.0676



11.7715, 0.3354, 0.2644



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.



16.4006, 0.4022, 0.1989



24.8767, 0.4032, 0.1995



14.2562, 0.5951, 0.3052



12.5741, 0.3178, 0.3120



10.1407, 0.4008, 0.1981



0.6250, 0.3840, 0.1889

Inverse Universe

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



16.4006, 0.4022, 0.1989



24.8767, 0.4032, 0.1995



49.5974, 0.2479, 0.4126



12.5741, 0.3178, 0.3120



10.1407, 0.4008, 0.1981



0.6250, 0.3840, 0.1889

Previews

White Background



This preview shows how the Yxy color 16.3973, 0.4022, 0.1989 looks on a white background.

Color Contrast Check

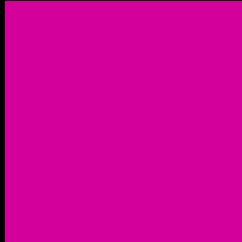
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3973, 0.4022, 0.1989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

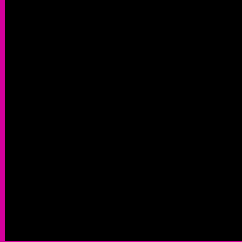
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3973, 0.4022, 0.1989

Background



This preview shows how black text looks on a background with the Yxy color 16.3973, 0.4022, 0.1989.



This preview shows how white text looks on a background with the Yxy color 16.3973, 0.4022, 0.1989.

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

16.3973, 0.4022, 0.1989

Protanopia

17.3209, 0.1854, 0.1591

Deuteranopia

16.9149, 0.2712, 0.2653



Tritanopia

16.7946, 0.5430, 0.3277

Trichromacy



Original Color

16.3973, 0.4022, 0.1989



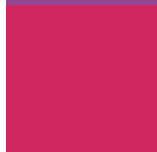
Protanomaly

11.8349, 0.2198, 0.1387



Deuteranomaly

12.8195, 0.3127, 0.2044



Tritanomaly

15.7240, 0.5030, 0.2737

Monochromacy



Original Color

16.3973, 0.4022, 0.1989



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.2058, 0.3580, 0.2262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3973, 0.4022, 0.1989 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 156) }
```

Border

The CSS property to change the border of an element to Yxy 16.3973, 0.4022, 0.1989 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, 156) }
```

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

```
.border{ border-color:rgb(212, 0, 156) }
```

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, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3973, 0.4022, 0.1989 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, 156) }
```

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

```
.background{ background-color: rgb(212, 0,  
156) }
```

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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