

Converting Colors

$Y_{xy}(16.2430, 0.3869, 0.2039)$

Have a look what the booklet for
Yxy(16.2430, 0.3869, 0.2039)
contains.

Yxy(16.1703, 0.3867, 0.2037)	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(16.1703, 0.3867, 0.2037)

Conversions

Conversions Part 1

Format	Color
Hex	C9269B
RGB	201, 38, 155
RGB Percent	79%, 15%, 61%
CMY	0.2118, 0.8509, 0.3921
CMYK	0.00, 0.81, 0.23, 0.21
HSL	317°, 68%, 47%
HSV	317°, 81%, 79%
XYZ	30.6974, 16.1703, 32.5152
YIQ	100.0750, 59.5910, 70.9430

Conversions

Conversions Part 2

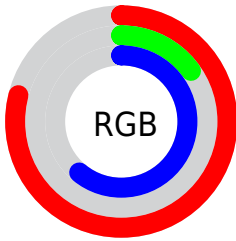
Format	Color
R_{YB}	201, 38, 155
Decimal	13182619
CIE _{Lab}	47.20, 70.65, -24.72
CIE _{LCh}	47, 74.849, 340.714
Yxy	16.1703, 0.3867, 0.2037
Android (android.graphics.Color)	4291372699 (0xFFC9269B)
YUV	100.0750, 27.0780, 88.5112
Hunter-Lab	40.2123, 65.8922, -19.7926

Details

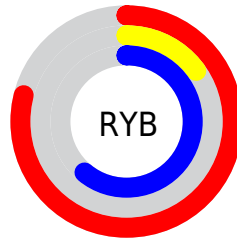
The Yxy color **16.1703, 0.3867, 0.2037** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **42.8264, 0.2856, 0.5252**, and the grayscale version is **12.6837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6136, 0.3650, 0.2252**, and **6.7503, 0.4006, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **15.0279, 0.3984, 0.2012**, and if you desaturate by 10%, it is **18.0165, 0.3749, 0.2110**.

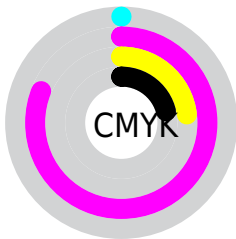
Distribution



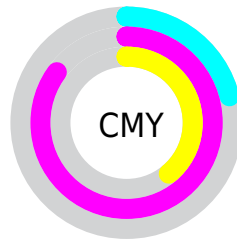
- Red (79%)
- Green (15%)
- Blue (61%)



- Red (79%)
- Yellow (15%)
- Blue (61%)



- Cyan (0%)
- Magenta (81%)
- Yellow (23%)
- Black (21%)





- Cyan (21%)
- Magenta (85%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1703, 0.3867, 0.2037 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 16.1703, 0.3867, 0.2037 by changing the saturation by 10% instead.


 16.1703, 0.3867,
0.2037


 16.1703, 0.3867,
0.2037


230.3445, 0.3472,
0.2693


 9.6447, 0.3973,
0.1867


 36.8936, 0.3718,
0.2281


 5.1641, 0.4112,
0.1648


 51.8601, 0.3664,
0.2371


 2.3438, 0.4301,
0.1358


 70.4091, 0.3618,
0.2446

 0.7968, 0.4572,
0.0964

 92.9249, 0.3580,
0.2511

 0.0000, 0.5199,
0.0000

 119.7920, 0.3547,
0.2566

 0.0000, 0.6710,
0.0000

 151.3947, 0.3519,

 0.0000, 0.0000,

0.2614

0.0000

188.1174, 0.3494,
0.2656

■ 16.1703, 0.3867,
0.2037

■ 16.1703, 0.3867,
0.2037

■ 15.0279, 0.3984,
0.2012

■ 18.0165, 0.3749,
0.2110

■ 14.4398, 0.4086,
0.2024

■ 20.6621, 0.3634,
0.2225

■ 24.1903, 0.3525,
0.2373

■ 28.6731, 0.3425,
0.2543

■ 34.1751, 0.3336,
0.2725

■ 40.7554, 0.3258,
0.2911

■ 48.4684, 0.3190,
0.3095

■ 57.3648, 0.3133,
0.3271

■ 67.4923, 0.3084,
0.3438

Harmonies

Analogous

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



16.1703, 0.2440, 0.1566



16.1703, 0.3867, 0.2037



16.1703, 0.5305, 0.2725

Triad

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



16.1703, 0.3867, 0.2037



16.1703, 0.4399, 0.5417



16.1703, 0.0987, 0.2093

Complementary

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



16.1703, 0.3867, 0.2037



42.8264, 0.2856, 0.5252

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.



16.1703, 0.1261, 0.3411



16.1703, 0.3867, 0.2037



16.1703, 0.3194, 0.6077

Square

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



16.1703, 0.3867, 0.2037



16.1703, 0.5410, 0.4386



16.1703, 0.2044, 0.5293



16.1703, 0.1084, 0.1517

Rectangle

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



16.1703, 0.3867, 0.2037



16.1703, 0.5805, 0.3233



16.1703, 0.2044, 0.5293



16.1703, 0.1031, 0.2435

Sweetspot

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



16.1711, 0.3867, 0.2037



65.9117, 0.3282, 0.2851



7.3741, 0.1882, 0.0946



13.2376, 0.3310, 0.2784



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.



16.1711, 0.3867, 0.2037



24.9372, 0.4066, 0.2024



14.3268, 0.5362, 0.2945



10.7636, 0.3180, 0.3126



9.0954, 0.4070, 0.2016



0.4426, 0.3851, 0.1895

Inverse Universe

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



16.1711, 0.3867, 0.2037



24.9372, 0.4066, 0.2024



44.8295, 0.2462, 0.3901



10.7636, 0.3180, 0.3126



9.0954, 0.4070, 0.2016



0.4426, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 16.1703, 0.3867, 0.2037 looks on a white background.

Color Contrast Check

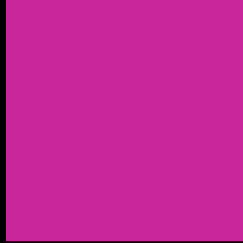
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1703, 0.3867, 0.2037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

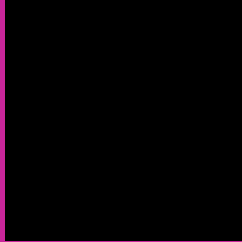
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1703, 0.3867, 0.2037

Background



This preview shows how black text looks on a background with the Yxy color 16.1703, 0.3867, 0.2037.



This preview shows how white text looks on a background with the Yxy color 16.1703, 0.3867, 0.2037.

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

16.1703, 0.3867, 0.2037

Protanopia

16.7657, 0.1926, 0.1693

Deuteranopia

16.5084, 0.2677, 0.2628



Tritanopia

16.2066, 0.5129, 0.3250

Trichromacy



Original Color

16.1703, 0.3867, 0.2037



Protanomaly

13.4379, 0.2298, 0.1624



Deuteranomaly

14.1733, 0.3065, 0.2218



Tritanomaly

15.8757, 0.4707, 0.2769

Monochromacy



Original Color

16.1703, 0.3867, 0.2037



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

11.9822, 0.3440, 0.2519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1703, 0.3867, 0.2037 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(201, 38, 155)` looks like.

```
.text, #text, p{  
    color:rgb(201, 38, 155)  
}
```

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(201, 38, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 38, 155) }
```

Border

The CSS property to change the border of an element to Yxy 16.1703, 0.3867, 0.2037 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(201, 38, 155) }
```

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

```
.border{ border-color:rgb(201, 38, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 38, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 38, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 38, 155);  
box-shadow:4px 4px 4px 4px rgb(201, 38,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1703, 0.3867, 0.2037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 38, 155) }
```

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

```
.background{ background-color: rgb(201, 38,  
155) }
```

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