

Converting Colors

$Yxy(16.2731, 0.3687, 0.2033)$

Have a look what the booklet for
Yxy(16.2731, 0.3687, 0.2033)
contains.

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Color

Yxy(16.2083, 0.3678, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	C1339F
RGB	193, 51, 159
RGB Percent	76%, 20%, 62%
CMY	0.2433, 0.7997, 0.3766
CMYK	0.00, 0.74, 0.18, 0.24
HSL	314°, 58%, 48%
HSV	314°, 74%, 76%
XYZ	29.4245, 16.2083, 34.3686
YIQ	105.7700, 49.9640, 63.6920

Conversions

Conversions Part 2

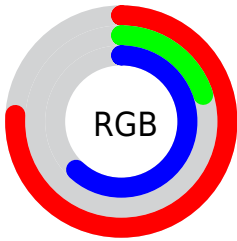
Format	Color
R_{YB}	193, 51, 159
Decimal	12661663
CIE _{Lab}	47.25, 65.63, -27.13
CIE _{LCh}	47, 71.013, 337.541
Yxy	16.2083, 0.3678, 0.2026
Android (android.graphics.Color)	4290851743 (0xFFC1339F)
YUV	105.7700, 26.2424, 76.5007
Hunter-Lab	40.2595, 60.0064, -22.4328

Details

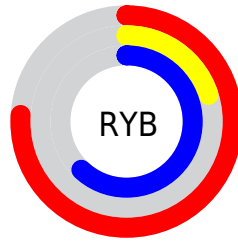
The Yxy color **16.2083, 0.3678, 0.2026** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **39.4840, 0.2881, 0.5153**, and the grayscale version is **14.2728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1066, 0.3575, 0.2274**, and **6.2124, 0.3797, 0.1866** is the 20% darker color. If you saturate the color by 10%, you get **14.6984, 0.3774, 0.1957**, and if you desaturate by 10%, it is **18.4254, 0.3582, 0.2139**.

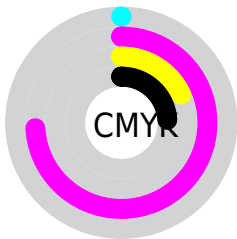
Distribution



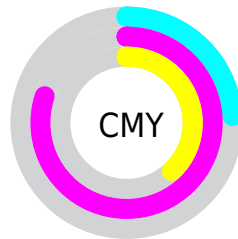
- Red (76%)
- Green (20%)
- Blue (62%)



- Red (76%)
- Yellow (20%)
- Blue (62%)



- Cyan (0%)
- Magenta (74%)
- Yellow (18%)
- Black (24%)




- Cyan (24%)
- Magenta (80%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2083, 0.3678, 0.2026 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 16.2083, 0.3678, 0.2026 by changing the saturation by 10% instead.


 16.2083, 0.3678,
0.2026

 16.2083, 0.3678,
0.2026


230.5677, 0.3392,
0.2686


 9.6717, 0.3751,
0.1856


 36.9594, 0.3573,
0.2271


 5.1818, 0.3844,
0.1636


 51.9428, 0.3533,
0.2362


 2.3543, 0.3966,
0.1346


 70.5104, 0.3500,
0.2438

 0.8022, 0.4127,
0.0955

 93.0468, 0.3472,
0.2502

 0.0000, 0.4529,
0.0000

 119.9363, 0.3448,
0.2558

 0.0000, 0.4199,
0.0000

151.5634, 0.3427,

 0.0000, 0.0000,

0.2606

0.0000

188.3124, 0.3409,
0.2649

■ 16.2083, 0.3678,
0.2026

■ 16.2083, 0.3678,
0.2026

■ 14.6984, 0.3774,
0.1957

■ 18.4254, 0.3582,
0.2139

■ 13.8004, 0.3868,
0.1934

■ 21.4245, 0.3490,
0.2287

■ 13.4305, 0.3928,
0.1938

■ 25.2735, 0.3404,
0.2460

■ 30.0321, 0.3326,
0.2648

■ 35.7549, 0.3257,
0.2843

■ 42.4918, 0.3196,
0.3037

■ 50.2896, 0.3144,
0.3226

■ 59.1921, 0.3099,
0.3405

■ 69.2404, 0.3061,
0.3573

Harmonies

Analogous

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



16.2083, 0.2356, 0.1594



16.2083, 0.3678, 0.2026



16.2083, 0.5081, 0.2684

Triad

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



16.2083, 0.3678, 0.2026



16.2083, 0.4497, 0.5252



16.2083, 0.1069, 0.2251

Complementary

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



16.2083, 0.3678, 0.2026



39.4840, 0.2881, 0.5153

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.



16.2083, 0.1395, 0.3597



16.2083, 0.3678, 0.2026



16.2083, 0.3350, 0.5920

Square

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



16.2083, 0.3678, 0.2026



16.2083, 0.5417, 0.4288



16.2083, 0.2216, 0.5326



16.2083, 0.1125, 0.1621

Rectangle

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



16.2083, 0.3678, 0.2026



16.2083, 0.5638, 0.3180



16.2083, 0.2216, 0.5326



16.2083, 0.1128, 0.2611

Sweetspot

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



16.2091, 0.3678, 0.2026



65.3996, 0.3249, 0.2866



8.1165, 0.1961, 0.1099



13.3793, 0.3267, 0.2813



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.2091, 0.3678, 0.2026



25.2753, 0.3830, 0.1938



14.4265, 0.4964, 0.2868



10.2049, 0.3173, 0.3117



8.9502, 0.3917, 0.1931



0.3969, 0.3728, 0.1827

Inverse Universe

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



16.2091, 0.3678, 0.2026



25.2753, 0.3830, 0.1938



41.1979, 0.2506, 0.3917



10.2049, 0.3173, 0.3117



8.9502, 0.3917, 0.1931



0.3969, 0.3728, 0.1827

Previews

White Background



This preview shows how the Yxy color 16.2083, 0.3678, 0.2026 looks on a white background.

Color Contrast Check

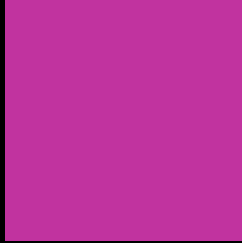
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2083, 0.3678, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

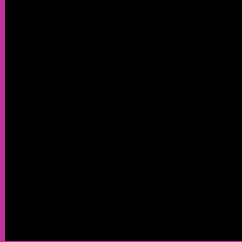
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2083, 0.3678, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 16.2083, 0.3678, 0.2026.



This preview shows how white text looks on a background with the Yxy color 16.2083, 0.3678, 0.2026.

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

16.2083, 0.3678, 0.2026

Protanopia

16.7468, 0.1955, 0.1727

Deuteranopia

16.4868, 0.2598, 0.2539



Tritanopia

16.2021, 0.4849, 0.3231

Trichromacy



Original Color

16.2083, 0.3678, 0.2026



Protanomaly

14.2420, 0.2309, 0.1693



Deuteranomaly

14.7121, 0.2934, 0.2207



Tritanomaly

15.9373, 0.4450, 0.2754

Monochromacy



Original Color

16.2083, 0.3678, 0.2026



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5395, 0.3358, 0.2597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2083, 0.3678, 0.2026 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(193, 51, 159)` looks like.

```
.text, #text, p{  
    color:rgb(193, 51, 159)  
}
```

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(193, 51, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 51, 159) }
```

Border

The CSS property to change the border of an element to Yxy 16.2083, 0.3678, 0.2026 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(193, 51, 159) }
```

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

```
.border{ border-color:rgb(193, 51, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 51, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 51, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 51, 159);  
box-shadow:4px 4px 4px 4px rgb(193, 51,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2083, 0.3678, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 51, 159) }
```

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

```
.background{ background-color: rgb(193, 51,  
159) }
```

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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