

Converting Colors

$Y_{xy}(16.2614, 0.3867, 0.2345)$

Have a look what the booklet for
Yxy(16.2614, 0.3867, 0.2345)
contains.

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Color

Yxy(16.1927, 0.3865, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	B9438B
RGB	185, 67, 139
RGB Percent	73%, 26%, 55%
CMY	0.2745, 0.7373, 0.4548
CMYK	0.00, 0.64, 0.25, 0.27
HSL	323°, 47%, 49%
HSV	323°, 64%, 73%
XYZ	26.6772, 16.1927, 26.1527
YIQ	110.4900, 47.2160, 47.4080

Conversions

Conversions Part 2

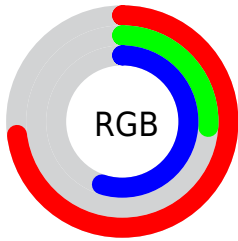
Format	Color
R_{YB}	185, 67, 139
Decimal	12141451
CIE _{Lab}	47.23, 54.84, -15.31
CIE _{LCh}	47, 56.939, 344.401
Yxy	16.1927, 0.3865, 0.2346
Android (android.graphics.Color)	4290331531 (0xFFB9438B)
YUV	110.4900, 14.0554, 65.3453
Hunter-Lab	40.2402, 47.9164, -10.3653

Details

The Yxy color **16.1927, 0.3865, 0.2346** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.0859, 0.2785, 0.4561**, and the grayscale version is **15.6898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0024, 0.3700, 0.2541**, and **5.3105, 0.4129, 0.2048** is the 20% darker color. If you saturate the color by 10%, you get **14.1305, 0.4036, 0.2260**, and if you desaturate by 10%, it is **18.9729, 0.3705, 0.2466**.

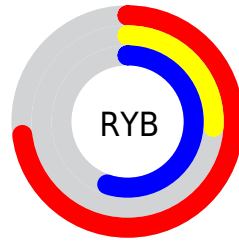
Distribution



Red (73%)

Green (26%)

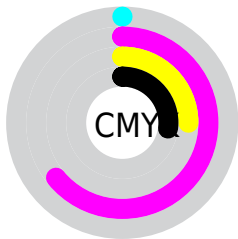
Blue (55%)



Red (73%)

Yellow (26%)

Blue (55%)

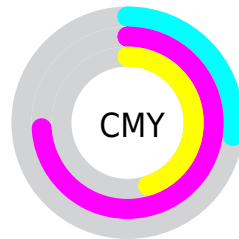


Cyan (0%)

Magenta (64%)

Yellow (25%)

Black (27%)



Cyan (27%)


Magenta (74%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1927, 0.3865, 0.2346 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 16.1927, 0.3865, 0.2346 by changing the saturation by 10% instead.


 16.1927, 0.3865,
0.2346


 16.1927, 0.3865,
0.2346


230.4761, 0.3453,
0.2860


 9.6606, 0.3984,
0.2204


 36.9324, 0.3704,
0.2543


 5.1745, 0.4148,
0.2013


 51.9088, 0.3647,
0.2614

 2.3500, 0.4387,
0.1745

 70.4688, 0.3600,
0.2673

 0.8000, 0.4764,
0.1347

 92.9968, 0.3561,
0.2722

 0.0000, 0.5911,
0.0000

 119.8771, 0.3528,
0.2764

 0.0000, 0.0000,
0.0000

151.4942, 0.3499,

0.2800

188.2324, 0.3475,
0.2832

■ 16.1927, 0.3865,
0.2346

■ 16.1927, 0.3865,
0.2346

■ 14.1305, 0.4036,
0.2260

■ 18.9729, 0.3705,
0.2466

■ 12.7139, 0.4214,
0.2218

■ 22.5295, 0.3561,
0.2610

■ 11.8595, 0.4390,
0.2228

■ 26.9174, 0.3435,
0.2765

■ 11.5054, 0.4498,
0.2252

■ 32.1861, 0.3325,
0.2925

■ 38.3810, 0.3232,
0.3083

■ 45.5445, 0.3153,
0.3235

■ 53.7162, 0.3088,
0.3378

■ 62.9337, 0.3033,
0.3512

■ 73.2324, 0.2987,
0.3635

Harmonies

Analogous

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



16.1927, 0.2726, 0.1905



16.1927, 0.3865, 0.2346



16.1927, 0.4903, 0.2968

Triad

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



16.1927, 0.3865, 0.2346



16.1927, 0.4172, 0.5151



16.1927, 0.1343, 0.2295

Complementary

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



16.1927, 0.3865, 0.2346



37.0859, 0.2785, 0.4561

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.



16.1927, 0.1580, 0.3275



16.1927, 0.3865, 0.2346



16.1927, 0.3181, 0.5377

Square

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



16.1927, 0.3865, 0.2346



16.1927, 0.4969, 0.4438



16.1927, 0.2226, 0.4596



16.1927, 0.1454, 0.1819

Rectangle

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



16.1927, 0.3865, 0.2346



16.1927, 0.5258, 0.3433



16.1927, 0.2226, 0.4596



16.1927, 0.1380, 0.2561

Sweetspot

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



16.1935, 0.3865, 0.2346



62.3977, 0.3282, 0.2996



10.9769, 0.2313, 0.1453



12.7925, 0.3309, 0.2951



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



16.1935, 0.3865, 0.2346



24.0364, 0.4115, 0.2235



14.9194, 0.4916, 0.3122



9.1018, 0.3195, 0.3151



7.8481, 0.4477, 0.2240



0.2884, 0.4070, 0.2016

Inverse Universe

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



16.1935, 0.3865, 0.2346



24.0364, 0.4115, 0.2235



38.8434, 0.2445, 0.3512



9.1018, 0.3195, 0.3151



7.8481, 0.4477, 0.2240



0.2884, 0.4070, 0.2016

Previews

White Background



This preview shows how the Yxy color 16.1927, 0.3865, 0.2346 looks on a white background.

Color Contrast Check

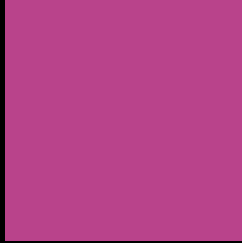
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1927, 0.3865, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

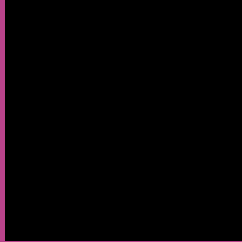
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1927, 0.3865, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 16.1927, 0.3865, 0.2346.



This preview shows how white text looks on a background with the Yxy color 16.1927, 0.3865, 0.2346.

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

16.1927, 0.3865, 0.2346

Protanopia

16.5333, 0.2323, 0.2214

Deuteranopia

16.4227, 0.2905, 0.2849



Tritanopia

16.1125, 0.4659, 0.3212

Trichromacy



Original Color

16.1927, 0.3865, 0.2346

Protanomaly

15.0476, 0.2743, 0.2195

Deuteranomaly

15.3301, 0.3231, 0.2581

Tritanomaly

15.9972, 0.4387, 0.2881

Monochromacy



Original Color

16.1927, 0.3865, 0.2346

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

14.7042, 0.3387, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1927, 0.3865, 0.2346 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(185, 67, 139)` looks like.

```
.text, #text, p{  
    color:rgb(185, 67, 139)  
}
```

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(185, 67, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 67, 139) }
```

Border

The CSS property to change the border of an element to Yxy 16.1927, 0.3865, 0.2346 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(185, 67, 139) }
```

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

```
.border{ border-color:rgb(185, 67, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 67, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 67, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 67, 139);  
box-shadow:4px 4px 4px 4px rgb(185, 67,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1927, 0.3865, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 67, 139) }
```

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

```
.background{ background-color: rgb(185, 67,  
139) }
```

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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