

Converting Colors

$Y_{xy}(16.3345, 0.3819, 0.2281)$

Have a look what the booklet for
Yxy(16.3345, 0.3819, 0.2281)
contains.

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Color

Yxy(16.3590, 0.3815, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	BB4190
RGB	187, 65, 144
RGB Percent	73%, 25%, 56%
CMY	0.2666, 0.7451, 0.4353
CMYK	0.00, 0.65, 0.23, 0.27
HSL	321°, 48%, 49%
HSV	321°, 65%, 73%
XYZ	27.4207, 16.3590, 28.0964
YIQ	110.4840, 47.3530, 50.4330

Conversions

Conversions Part 2

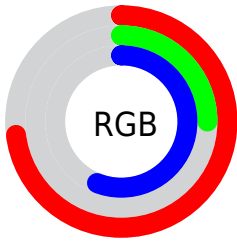
Format	Color
RYB	187, 65, 144
Decimal	12272016
CIELab	47.44, 56.93, -17.95
CIELCh	47, 59.687, 342.502
Yxy	16.3590, 0.3815, 0.2276
Android (android.graphics.Color)	4290462096 (0xFFBB4190)
YUV	110.4840, 16.5234, 67.1045
Hunter-Lab	40.4463, 50.2340, -12.8740

Details

The Yxy color **16.3590, 0.3815, 0.2276** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.7545, 0.2808, 0.4678**, and the grayscale version is **15.6798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3448, 0.3666, 0.2488**, and **5.5361, 0.4058, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **14.3612, 0.3967, 0.2189**, and if you desaturate by 10%, it is **19.0808, 0.3671, 0.2399**.

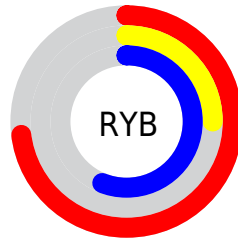
Distribution



Red (73%)

Green (25%)

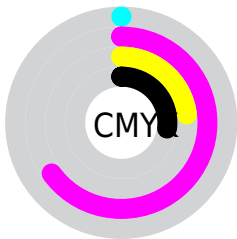
Blue (56%)



Red (73%)

Yellow (25%)

Blue (56%)

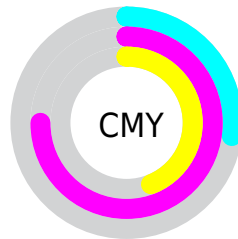


Cyan (0%)

Magenta (65%)

Yellow (23%)

Black (27%)



Cyan (27%)


Magenta (75%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3590, 0.3815, 0.2276 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 16.3590, 0.3815, 0.2276 by changing the saturation by 10% instead.


 16.3590, 0.3815,
0.2276


 16.3590, 0.3815,
0.2276


231.4509, 0.3436,
0.2822


 9.7785, 0.3922,
0.2127


 37.2203, 0.3668,
0.2484


 5.2524, 0.4067,
0.1930


 52.2700, 0.3616,
0.2559

 2.3961, 0.4275,
0.1657

 70.9115, 0.3573,
0.2621

 0.8239, 0.4592,
0.1262

 93.5293, 0.3537,
0.2674

 0.0000, 0.5491,
0.0000

 120.5077, 0.3506,
0.2719

 0.0000, 1.0000,
0.0000

152.2312, 0.3480,

 0.0000, 0.0000,

0.2758

0.0000

189.0841, 0.3457,
0.2792

■ 16.3590, 0.3815,
0.2276

■ 16.3590, 0.3815,
0.2276

■ 14.3612, 0.3967,
0.2189

■ 19.0808, 0.3671,
0.2399

■ 13.0115, 0.4123,
0.2147

■ 22.5876, 0.3540,
0.2548

■ 12.2206, 0.4277,
0.2156

■ 26.9369, 0.3424,
0.2710

■ 11.9496, 0.4350,
0.2170

■ 32.1798, 0.3322,
0.2879

■ 38.3637, 0.3235,
0.3046

■ 45.5322, 0.3161,
0.3208

■ 53.7265, 0.3099,
0.3362

■ 62.9853, 0.3047,
0.3506

■ 73.3453, 0.3004,
0.3639

Harmonies

Analogous

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



16.3590, 0.2640, 0.1839



16.3590, 0.3815, 0.2276



16.3590, 0.4927, 0.2904

Triad

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



16.3590, 0.3815, 0.2276



16.3590, 0.4252, 0.5173



16.3590, 0.1290, 0.2297

Complementary

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



16.3590, 0.3815, 0.2276



37.7545, 0.2808, 0.4678

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.



16.3590, 0.1551, 0.3350



16.3590, 0.3815, 0.2276



16.3590, 0.3233, 0.5490

Square

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



16.3590, 0.3815, 0.2276



16.3590, 0.5066, 0.4405



16.3590, 0.2239, 0.4744



16.3590, 0.1384, 0.1785

Rectangle

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



16.3590, 0.3815, 0.2276



16.3590, 0.5327, 0.3376



16.3590, 0.2239, 0.4744



16.3590, 0.1334, 0.2583

Sweetspot

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



16.3598, 0.3815, 0.2276



62.8616, 0.3278, 0.2962



10.5372, 0.2247, 0.1392



13.1706, 0.3303, 0.2914



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



16.3598, 0.3815, 0.2276



24.6148, 0.4030, 0.2166



14.9754, 0.4909, 0.3068



9.6376, 0.3190, 0.3143



8.2458, 0.4333, 0.2160



0.3350, 0.3999, 0.1977

Inverse Universe

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



16.3598, 0.3815, 0.2276



24.6148, 0.4030, 0.2166



39.5253, 0.2458, 0.3586



9.6376, 0.3190, 0.3143



8.2458, 0.4333, 0.2160



0.3350, 0.3999, 0.1977

Previews

White Background



This preview shows how the Yxy color 16.3590, 0.3815, 0.2276 looks on a white background.

Color Contrast Check

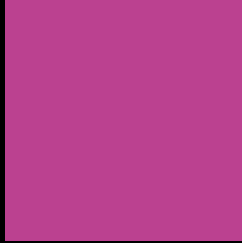
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3590, 0.3815, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

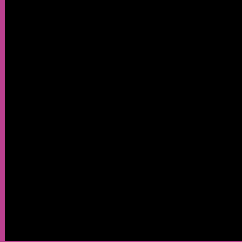
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3590, 0.3815, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 16.3590, 0.3815, 0.2276.



This preview shows how white text looks on a background with the Yxy color 16.3590, 0.3815, 0.2276.

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

16.3590, 0.3815, 0.2276

Protanopia

16.6983, 0.2245, 0.2101

Deuteranopia

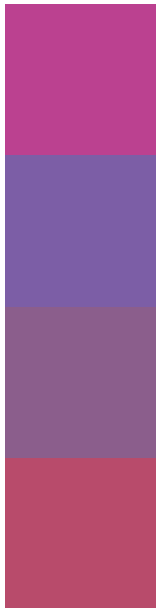
16.6198, 0.2838, 0.2794



Tritanopia

16.3543, 0.4684, 0.3213

Trichromacy



Original Color

16.3590, 0.3815, 0.2276

Protanomaly

15.0437, 0.2659, 0.2083

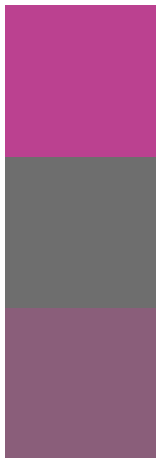
Deuteranomaly

15.3878, 0.3150, 0.2501

Tritanomaly

16.2840, 0.4378, 0.2859

Monochromacy



Original Color

16.3590, 0.3815, 0.2276

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

14.8138, 0.3387, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3590, 0.3815, 0.2276 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(187, 65, 144)` looks like.

```
.text, #text, p{  
    color:rgb(187, 65, 144)  
}
```

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(187, 65, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 65, 144) }
```

Border

The CSS property to change the border of an element to Yxy 16.3590, 0.3815, 0.2276 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(187, 65, 144) }
```

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

```
.border{ border-color:rgb(187, 65, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 65, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 65, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 65, 144);  
box-shadow:4px 4px 4px 4px rgb(187, 65,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3590, 0.3815, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 65, 144) }
```

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

```
.background{ background-color: rgb(187, 65,  
144) }
```

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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