

Converting Colors

$Y_{xy}(16.3186, 0.3767, 0.2146)$

Have a look what the booklet for
Yxy(16.3186, 0.3767, 0.2146)
contains.

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Color

Yxy(16.2370, 0.3770, 0.2145)

Conversions

Conversions Part 1

Format	Color
Hex	BF3997
RGB	191, 57, 151
RGB Percent	75%, 22%, 59%
CMY	0.2510, 0.7765, 0.4077
CMYK	0.00, 0.70, 0.21, 0.25
HSL	318°, 54%, 49%
HSV	318°, 70%, 75%
XYZ	28.5378, 16.2370, 30.9222
YIQ	107.7820, 49.6900, 57.6420

Conversions

Conversions Part 2

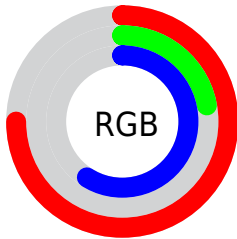
Format	Color
R_{YB}	191, 57, 151
Decimal	12532119
CIE _{Lab}	47.28, 62.03, -22.35
CIE _{LCh}	47, 65.938, 340.185
Yxy	16.2370, 0.3770, 0.2145
Android (android.graphics.Color)	4290722199 (0xFFBF3997)
YUV	107.7820, 21.3065, 72.9822
Hunter-Lab	40.2952, 55.9004, -17.2921

Details

The Yxy color **16.2370, 0.3770, 0.2145** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **38.9954, 0.2841, 0.4929**, and the grayscale version is **14.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9932, 0.3639, 0.2379**, and **5.9884, 0.3953, 0.1951** is the 20% darker color. If you saturate the color by 10%, you get **14.5109, 0.3896, 0.2070**, and if you desaturate by 10%, it is **18.6837, 0.3648, 0.2261**.

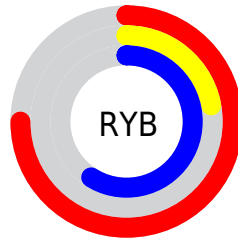
Distribution



Red (75%)

Green (22%)

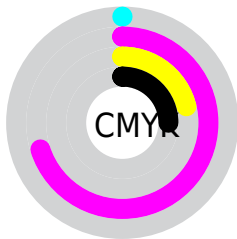
Blue (59%)



Red (75%)

Yellow (22%)

Blue (59%)

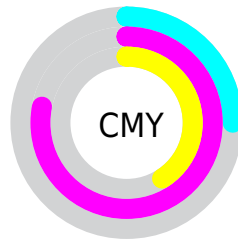


Cyan (0%)

Magenta (70%)

Yellow (21%)

Black (25%)



Cyan (25%)


Magenta (78%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2370, 0.3770, 0.2145 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 16.2370, 0.3770, 0.2145 by changing the saturation by 10% instead.


 16.2370, 0.3770,
0.2145


 16.2370, 0.3770,
0.2145


230.7362, 0.3424,
0.2752


 9.6920, 0.3864,
0.1984


 37.0092, 0.3639,
0.2373


 5.1952, 0.3988,
0.1774


 52.0051, 0.3591,
0.2457

 2.3623, 0.4160,
0.1489


 70.5869, 0.3551,
0.2526

 0.8064, 0.4410,
0.1092

 93.1388, 0.3518,
0.2585

 0.0000, 0.5057,
0.0000

 120.0453, 0.3489,
0.2636

 0.0000, 0.8551,
0.0000

151.6908, 0.3465,

 0.0000, 0.0000,

0.2680

0.0000

188.4596, 0.3443,
0.2718

■ 16.2370, 0.3770,
0.2145

■ 16.2370, 0.3770,
0.2145

■ 14.5109, 0.3896,
0.2070

■ 18.6837, 0.3648,
0.2261

■ 13.4185, 0.4021,
0.2042

■ 21.9200, 0.3534,
0.2409

■ 12.7991, 0.4142,
0.2055

■ 26.0096, 0.3430,
0.2577

■ 31.0090, 0.3337,
0.2756

■ 36.9698, 0.3257,
0.2938

■ 43.9397, 0.3187,
0.3116

■ 51.9633, 0.3128,
0.3287

■ 61.0824, 0.3078,
0.3449

■ 71.3366, 0.3036,
0.3600

Harmonies

Analogous

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



16.2370, 0.2502, 0.1704



16.2370, 0.3770, 0.2145



16.2370, 0.5038, 0.2794

Triad

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



16.2370, 0.3770, 0.2145



16.2370, 0.4374, 0.5246



16.2370, 0.1161, 0.2253

Complementary

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



16.2370, 0.3770, 0.2145



38.9954, 0.2841, 0.4929

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.



16.2370, 0.1452, 0.3452



16.2370, 0.3770, 0.2145



16.2370, 0.3282, 0.5743

Square

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



16.2370, 0.3770, 0.2145



16.2370, 0.5254, 0.4364



16.2370, 0.2207, 0.5036



16.2370, 0.1239, 0.1684

Rectangle

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



16.2370, 0.3770, 0.2145



16.2370, 0.5512, 0.3282



16.2370, 0.2207, 0.5036



16.2370, 0.1211, 0.2575

Sweetspot

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



16.2378, 0.3770, 0.2145



64.8686, 0.3265, 0.2916



9.1181, 0.2080, 0.1217



13.5630, 0.3287, 0.2866



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.



16.2378, 0.3770, 0.2145



24.8458, 0.3961, 0.2049



14.6747, 0.4961, 0.2956



9.6465, 0.3182, 0.3130



8.4257, 0.4126, 0.2047



0.3410, 0.3858, 0.1899

Inverse Universe

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



16.2378, 0.3770, 0.2145



24.8458, 0.3961, 0.2049



40.7406, 0.2480, 0.3765



9.6465, 0.3182, 0.3130



8.4257, 0.4126, 0.2047



0.3410, 0.3858, 0.1899

Previews

White Background



This preview shows how the Yxy color 16.2370, 0.3770, 0.2145 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 16.2370, 0.3770, 0.2145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

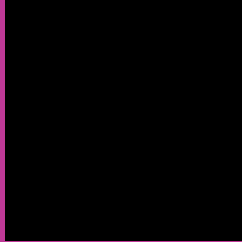
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2370, 0.3770, 0.2145

Background



This preview shows how black text looks on a background with the Yxy color 16.2370, 0.3770, 0.2145.



This preview shows how white text looks on a background with the Yxy color 16.2370, 0.3770, 0.2145.

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

16.2370, 0.3770, 0.2145

Protanopia

16.5799, 0.2086, 0.1894

Deuteranopia

16.5402, 0.2729, 0.2683



Tritanopia

16.2312, 0.4812, 0.3230

Trichromacy



Original Color

16.2370, 0.3770, 0.2145



Protanomaly

14.5481, 0.2477, 0.1872



Deuteranomaly

14.9608, 0.3060, 0.2359



Tritanomaly

16.0067, 0.4445, 0.2808

Monochromacy



Original Color

16.2370, 0.3770, 0.2145



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.0033, 0.3368, 0.2666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2370, 0.3770, 0.2145 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(191, 57, 151)` looks like.

```
.text, #text, p{  
    color:rgb(191, 57, 151)  
}
```

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(191, 57, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 57, 151) }
```

Border

The CSS property to change the border of an element to Yxy 16.2370, 0.3770, 0.2145 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(191, 57, 151) }
```

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

```
.border{ border-color:rgb(191, 57, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 57, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 57, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 57, 151);  
box-shadow:4px 4px 4px 4px rgb(191, 57,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2370, 0.3770, 0.2145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 57, 151) }
```

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

```
.background{ background-color: rgb(191, 57,  
151) }
```

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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