

Converting Colors

$Y_{xy}(16.5798, 0.3889, 0.2359)$

Have a look what the booklet for
Yxy(16.5798, 0.3889, 0.2359)
contains.

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Color

Yxy(16.5631, 0.3890, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	BB448B
RGB	187, 68, 139
RGB Percent	73%, 27%, 55%
CMY	0.2667, 0.7333, 0.4549
CMYK	0.00, 0.64, 0.26, 0.27
HSL	324°, 47%, 50%
HSV	324°, 64%, 73%
XYZ	27.2203, 16.5631, 26.1917
YIQ	111.6750, 48.1330, 47.3090

Conversions

Conversions Part 2

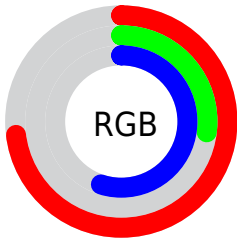
Format	Color
R_{YB}	187, 68, 139
Decimal	12272779
CIE _{Lab}	47.70, 54.99, -14.55
CIE _{LCh}	48, 56.878, 345.180
Yxy	16.5631, 0.3890, 0.2367
Android (android.graphics.Color)	4290462859 (0xFFBB448B)
YUV	111.6750, 13.4712, 66.0600
Hunter-Lab	40.6978, 48.1668, -9.6685

Details

The Yxy color **16.5631, 0.3890, 0.2367** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **38.0286, 0.2776, 0.4529**, and the grayscale version is **16.0538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6090, 0.3718, 0.2556**, and **5.4671, 0.4170, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **14.4382, 0.4069, 0.2283**, and if you desaturate by 10%, it is **19.4261, 0.3724, 0.2485**.

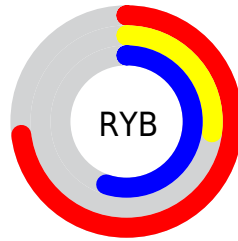
Distribution



Red (73%)

Green (27%)

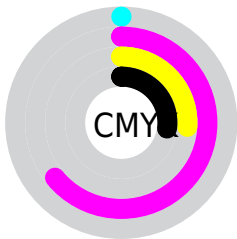
Blue (55%)



Red (73%)

Yellow (27%)

Blue (55%)

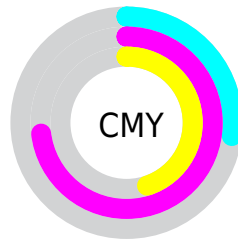


Cyan (0%)

Magenta (64%)

Yellow (26%)

Black (27%)



Cyan (27%)


Magenta (73%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5631, 0.3890, 0.2367 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 16.5631, 0.3890, 0.2367 by changing the saturation by 10% instead.


 16.5631, 0.3890,
0.2367


 16.5631, 0.3890,
0.2367


232.6419, 0.3464,
0.2869


 9.9235, 0.4014,
0.2228


 37.5731, 0.3723,
0.2559


 5.3483, 0.4184,
0.2041


 52.7122, 0.3664,
0.2629


 2.4530, 0.4432,
0.1780

 71.4533, 0.3616,
0.2686

 0.8530, 0.4822,
0.1393

 94.1807, 0.3575,
0.2734

 0.0000, 0.6038,
0.0000

 121.2789, 0.3541,
0.2775

 0.0000, 1.0000,
0.0000

153.1322, 0.3512,

 0.0000, 0.0000,

0.2811

0.0000

190.1251, 0.3486,
0.2842

■ 16.5631, 0.3890,
0.2367

■ 16.5631, 0.3890,
0.2367

■ 14.4382, 0.4069,
0.2283

■ 19.4261, 0.3724,
0.2485

■ 12.9773, 0.4254,
0.2244

■ 23.0870, 0.3574,
0.2626

■ 12.0949, 0.4439,
0.2256

■ 27.6023, 0.3443,
0.2779

■ 11.7247, 0.4555,
0.2283

■ 33.0226, 0.3330,
0.2935

■ 39.3946, 0.3234,
0.3090

■ 46.7618, 0.3153,
0.3238

■ 55.1648, 0.3086,
0.3378

■ 64.6421, 0.3029,
0.3509

■ 75.2302, 0.2983,
0.3630

Harmonies

Analogous

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



16.5631, 0.2756, 0.1922



16.5631, 0.3890, 0.2367



16.5631, 0.4909, 0.2989

Triad

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



16.5631, 0.3890, 0.2367



16.5631, 0.4144, 0.5154



16.5631, 0.1353, 0.2286

Complementary

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



16.5631, 0.3890, 0.2367



38.0286, 0.2776, 0.4529

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.



16.5631, 0.1580, 0.3245



16.5631, 0.3890, 0.2367



16.5631, 0.3157, 0.5351

Square

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



16.5631, 0.3890, 0.2367



16.5631, 0.4942, 0.4454



16.5631, 0.2213, 0.4551



16.5631, 0.1471, 0.1823

Rectangle

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



16.5631, 0.3890, 0.2367



16.5631, 0.5248, 0.3453



16.5631, 0.2213, 0.4551



16.5631, 0.1387, 0.2546

Sweetspot

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



16.5639, 0.3890, 0.2367



63.8667, 0.3286, 0.3002



11.4090, 0.2336, 0.1466



13.3651, 0.3315, 0.2958



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.



16.5639, 0.3890, 0.2367



24.7889, 0.4135, 0.2263



15.2774, 0.4946, 0.3148



9.6294, 0.3198, 0.3154



8.0935, 0.4534, 0.2272



0.3297, 0.4137, 0.2053

Inverse Universe

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



16.5639, 0.3890, 0.2367



24.7889, 0.4135, 0.2263



39.8666, 0.2435, 0.3479



9.6294, 0.3198, 0.3154



8.0935, 0.4534, 0.2272



0.3297, 0.4137, 0.2053

Previews

White Background



This preview shows how the Yxy color 16.5631, 0.3890, 0.2367 looks on a white background.

Color Contrast Check

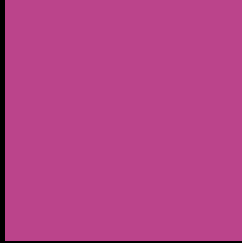
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5631, 0.3890, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

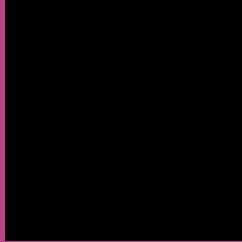
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5631, 0.3890, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 16.5631, 0.3890, 0.2367.



This preview shows how white text looks on a background with the Yxy color 16.5631, 0.3890, 0.2367.

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

16.5631, 0.3890, 0.2367

Protanopia

16.8558, 0.2343, 0.2237

Deuteranopia

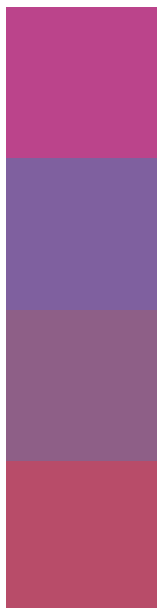
16.7753, 0.2931, 0.2871



Tritanopia

16.5018, 0.4676, 0.3227

Trichromacy



Original Color

16.5631, 0.3890, 0.2367

Protanomaly

15.3810, 0.2768, 0.2218

Deuteranomaly

15.6845, 0.3258, 0.2605

Tritanomaly

16.3792, 0.4408, 0.2899

Monochromacy



Original Color

16.5631, 0.3890, 0.2367

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.2599, 0.3397, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5631, 0.3890, 0.2367 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, 68, 139)` looks like.

```
.text, #text, p{  
    color:rgb(187, 68, 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(187, 68, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 68, 139) }
```

Border

The CSS property to change the border of an element to Yxy 16.5631, 0.3890, 0.2367 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, 68, 139) }
```

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

```
.border{ border-color:rgb(187, 68, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 68, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 68, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 68, 139);  
box-shadow:4px 4px 4px 4px rgb(187, 68,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5631, 0.3890, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 68, 139) }
```

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

```
.background{ background-color: rgb(187, 68,  
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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