

Converting Colors

$Y_{xy}(16.0731, 0.3853, 0.2264)$

Have a look what the booklet for
Yxy(16.0731, 0.3853, 0.2264)
contains.

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Color

Yxy(16.1198, 0.3851, 0.2264)

Conversions

Conversions Part 1

Format	Color
Hex	BC3E8F
RGB	188, 62, 143
RGB Percent	74%, 24%, 56%
CMY	0.2628, 0.7568, 0.4391
CMYK	0.00, 0.67, 0.24, 0.26
HSL	321°, 50%, 49%
HSV	321°, 67%, 74%
XYZ	27.4193, 16.1198, 27.6614
YIQ	108.9080, 49.0950, 51.9030

Conversions

Conversions Part 2

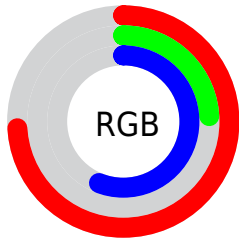
Format	Color
R_{YB}	188, 62, 143
Decimal	12336783
CIE _{Lab}	47.13, 58.26, -17.82
CIE _{LCh}	47, 60.924, 342.991
Y _{xy}	16.1198, 0.3851, 0.2264
Android (android.graphics.Color)	4290526863 (0xFFBC3E8F)
YUV	108.9080, 16.8074, 69.3637
Hunter-Lab	40.1495, 51.6416, -12.7438

Details

The Yxy color **16.1198, 0.3851, 0.2264** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **38.0486, 0.2802, 0.4713**, and the grayscale version is **15.2082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7622, 0.3693, 0.2472**, and **5.6156, 0.4079, 0.2020** is the 20% darker color. If you saturate the color by 10%, you get **14.2200, 0.4007, 0.2185**, and if you desaturate by 10%, it is **18.7404, 0.3703, 0.2381**.

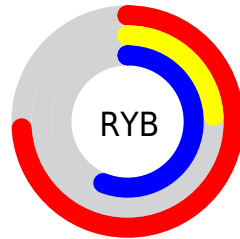
Distribution



Red (74%)

Green (24%)

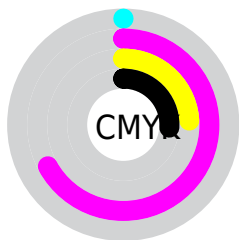
Blue (56%)



Red (74%)

Yellow (24%)

Blue (56%)

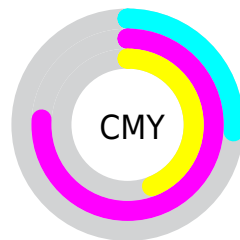


Cyan (0%)

Magenta (67%)

Yellow (24%)

Black (26%)



Cyan (26%)


Magenta (76%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1198, 0.3851, 0.2264 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 16.1198, 0.3851, 0.2264 by changing the saturation by 10% instead.


 16.1198, 0.3851,
0.2264


 16.1198, 0.3851,
0.2264


230.0476, 0.3451,
0.2817


 9.6090, 0.3965,
0.2113


 36.8061, 0.3696,
0.2475


 5.1405, 0.4119,
0.1913


 51.7503, 0.3641,
0.2551


 2.3299, 0.4341,
0.1636

 70.2744, 0.3595,
0.2614

 0.7895, 0.4682,
0.1233

 92.7628, 0.3557,
0.2667

 0.0000, 0.5614,
0.0000

 119.6000, 0.3525,
0.2713

 0.0000, 1.0000,
0.0000

151.1702, 0.3497,

 0.0000, 0.0000,

0.2753

0.0000

187.8580, 0.3472,
0.2787

■ 16.1198, 0.3851,
0.2264

■ 16.1198, 0.3851,
0.2264

■ 14.2200, 0.4007,
0.2185

■ 18.7404, 0.3703,
0.2381

■ 12.9617, 0.4166,
0.2153

■ 22.1453, 0.3568,
0.2525

■ 12.2395, 0.4321,
0.2171

■ 26.3935, 0.3447,
0.2685

■ 12.0680, 0.4368,
0.2180

■ 31.5379, 0.3341,
0.2852

■ 37.6270, 0.3251,
0.3019

■ 44.7057, 0.3174,
0.3181

■ 52.8160, 0.3109,
0.3335

■ 61.9976, 0.3055,
0.3480

■ 72.2880, 0.3010,
0.3614

Harmonies

Analogous

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



16.1198, 0.2645, 0.1817



16.1198, 0.3851, 0.2264



16.1198, 0.4987, 0.2902

Triad

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



16.1198, 0.3851, 0.2264



16.1198, 0.4248, 0.5218



16.1198, 0.1255, 0.2259

Complementary

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



16.1198, 0.3851, 0.2264



38.0486, 0.2802, 0.4713

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.



16.1198, 0.1510, 0.3324



16.1198, 0.3851, 0.2264



16.1198, 0.3208, 0.5548

Square

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



16.1198, 0.3851, 0.2264



16.1198, 0.5089, 0.4427



16.1198, 0.2199, 0.4766



16.1198, 0.1357, 0.1750

Rectangle

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



16.1198, 0.3851, 0.2264



16.1198, 0.5383, 0.3380



16.1198, 0.2199, 0.4766



16.1198, 0.1297, 0.2546

Sweetspot

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



16.1206, 0.3851, 0.2264



64.3482, 0.3279, 0.2964



10.1475, 0.2218, 0.1343



13.1677, 0.3305, 0.2917



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.



16.1206, 0.3851, 0.2264



24.6608, 0.4075, 0.2165



14.7295, 0.4986, 0.3067



9.6369, 0.3191, 0.3144



8.2319, 0.4350, 0.2170



0.3345, 0.4011, 0.1983

Inverse Universe

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



16.1206, 0.3851, 0.2264



24.6608, 0.4075, 0.2165



39.8555, 0.2448, 0.3596



9.6369, 0.3191, 0.3144



8.2319, 0.4350, 0.2170



0.3345, 0.4011, 0.1983

Previews

White Background



This preview shows how the Yxy color 16.1198, 0.3851, 0.2264 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 16.1198, 0.3851, 0.2264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

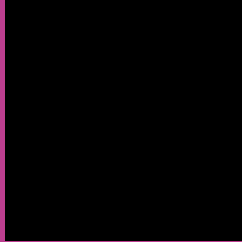
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1198, 0.3851, 0.2264

Background



This preview shows how black text looks on a background with the Yxy color 16.1198, 0.3851, 0.2264.



This preview shows how white text looks on a background with the Yxy color 16.1198, 0.3851, 0.2264.

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

16.1198, 0.3851, 0.2264

Protanopia

16.4256, 0.2220, 0.2066

Deuteranopia

16.3742, 0.2848, 0.2792



Tritanopia

16.1406, 0.4763, 0.3228

Trichromacy



Original Color

16.1198, 0.3851, 0.2264

Protanomaly

14.8297, 0.2636, 0.2051

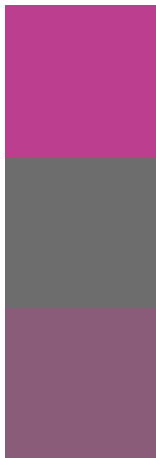
Deuteranomaly

15.2682, 0.3178, 0.2503

Tritanomaly

15.9689, 0.4444, 0.2853

Monochromacy



Original Color

16.1198, 0.3851, 0.2264

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.4380, 0.3406, 0.2769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1198, 0.3851, 0.2264 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(188, 62, 143)` looks like.

```
.text, #text, p{  
    color:rgb(188, 62, 143)  
}
```

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(188, 62, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 62, 143) }
```

Border

The CSS property to change the border of an element to Yxy 16.1198, 0.3851, 0.2264 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(188, 62, 143) }
```

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

```
.border{ border-color:rgb(188, 62, 143) }
```

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

Here you see how a box with a 4 pixel rgb(188, 62, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 62, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 62, 143);  
box-shadow:4px 4px 4px 4px rgb(188, 62,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1198, 0.3851, 0.2264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 62, 143) }
```

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

```
.background{ background-color: rgb(188, 62,  
143) }
```

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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