

# Converting Colors

$Yxy(15.8307, 0.4041, 0.2333)$

Have a look what the booklet for  
Yxy(15.8307, 0.4041, 0.2333)  
contains.

<b>Yxy(15.7519, 0.4042, 0.2330)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(15.7519, 0.4042, 0.2330)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF3987
RGB	191, 57, 135
RGB Percent	75%, 22%, 53%
CMY	0.2509, 0.7765, 0.4705
CMYK	0.00, 0.70, 0.29, 0.25
HSL	325°, 54%, 49%
HSV	325°, 70%, 75%
XYZ	27.3258, 15.7519, 24.5270
YIQ	105.9580, 54.8260, 52.6660

# Conversions

## Conversions Part 2

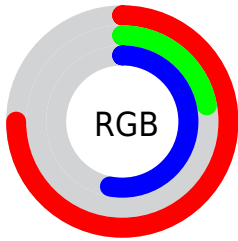
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 57, 135
Decimal	12532103
CIE <sub>Lab</sub>	46.65, 59.97, -13.68
CIE <sub>LCh</sub>	47, 61.510, 347.151
Yxy	15.7519, 0.4042, 0.2330
Android (android.graphics.Color)	4290722183 (0xFFBF3987)
YUV	105.9580, 14.3177, 74.5818
Hunter-Lab	39.6887, 53.4429, -8.8583

# Details

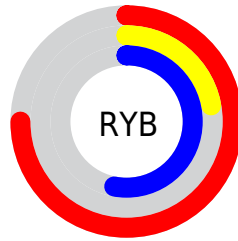
The Yxy color **15.7519, 0.4042, 0.2330** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **39.3297, 0.2754, 0.4648**, and the grayscale version is **14.3486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1747, 0.3845, 0.2535**, and **5.6424, 0.4344, 0.2167** is the 20% darker color. If you saturate the color by 10%, you get **13.9903, 0.4235, 0.2278**, and if you desaturate by 10%, it is **18.2421, 0.3859, 0.2424**.

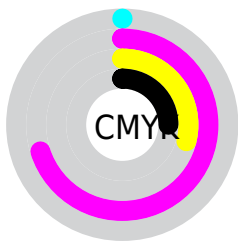
# Distribution



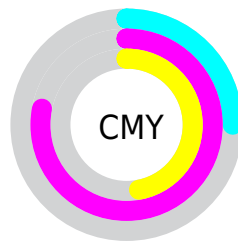
- Red (75%)
- Green (22%)
- Blue (53%)



- Red (75%)
- Yellow (22%)
- Blue (53%)



- Cyan (0%)
- Magenta (70%)
- Yellow (29%)
- Black (25%)




- Cyan (25%)
- Magenta (78%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 15.7519, 0.4042, 0.2330 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 15.7519, 0.4042, 0.2330 by changing the saturation by 10% instead.





 15.7519, 0.4042,  
0.2330

 15.7519, 0.4042,  
0.2330


227.8733, 0.3526,  
0.2855


 9.3488, 0.4194,  
0.2184


 36.1670, 0.3838,  
0.2532

 4.9694, 0.4405,  
0.1987


 50.9477, 0.3767,  
0.2605


 2.2293, 0.4714,  
0.1710


 69.2897, 0.3708,  
0.2665

 0.7359, 0.5215,  
0.1290

 91.5774, 0.3659,  
0.2715

 0.0000, 0.6739,  
0.0000

 118.1952, 0.3618,  
0.2758

 0.0000, 1.0000,  
0.0000

149.5275, 0.3583,

 0.0000, 0.0000,

0.2795

0.0000

185.9588, 0.3552,  
0.2827

■ 15.7519, 0.4042,  
0.2330

■ 15.7519, 0.4042,  
0.2330

■ 13.9903, 0.4235,  
0.2278

■ 18.2421, 0.3859,  
0.2424

■ 12.8699, 0.4430,  
0.2276

■ 21.5301, 0.3691,  
0.2548

■ 12.2306, 0.4618,  
0.2317

■ 25.6800, 0.3541,  
0.2691

■ 30.7482, 0.3411,  
0.2843

■ 36.7868, 0.3300,  
0.2996

■ 43.8436, 0.3207,  
0.3145

■ 51.9634, 0.3128,  
0.3288

■ 61.1882, 0.3063,  
0.3421

■ 71.5579, 0.3009,  
0.3546

# Harmonies

## Analogous

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



15.7519, 0.2788, 0.1846



15.7519, 0.4042, 0.2330



15.7519, 0.5133, 0.2991

# Triad

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



15.7519, 0.4042, 0.2330



15.7519, 0.4115, 0.5334



15.7519, 0.1227, 0.2139

# Complementary

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



15.7519, 0.4042, 0.2330



39.3297, 0.2754, 0.4648

# 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.



15.7519, 0.1427, 0.3135



15.7519, 0.4042, 0.2330



15.7519, 0.3052, 0.5556

# Square

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



15.7519, 0.4042, 0.2330



15.7519, 0.5015, 0.4549



15.7519, 0.2059, 0.4602



15.7519, 0.1376, 0.1692



# Rectangle

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



15.7519, 0.4042, 0.2330



15.7519, 0.5453, 0.3478



15.7519, 0.2059, 0.4602



15.7519, 0.1251, 0.2402

# Sweetspot

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



15.7527, 0.4042, 0.2330



64.5221, 0.3312, 0.2978



10.1864, 0.2258, 0.1303



13.4782, 0.3342, 0.2935



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.



15.7527, 0.4042, 0.2330



23.8839, 0.4336, 0.2270



14.4223, 0.5282, 0.3174



9.6270, 0.3200, 0.3157



8.0527, 0.4593, 0.2304



0.3282, 0.4177, 0.2075



# Inverse Universe

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



15.7527, 0.4042, 0.2330



23.8839, 0.4336, 0.2270



41.4268, 0.2387, 0.3465



9.6270, 0.3200, 0.3157



8.0527, 0.4593, 0.2304



0.3282, 0.4177, 0.2075



# Previews

## White Background



This preview shows how the Yxy color 15.7519, 0.4042, 0.2330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

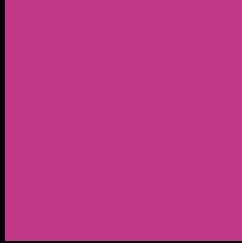
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 15.7519, 0.4042, 0.2330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

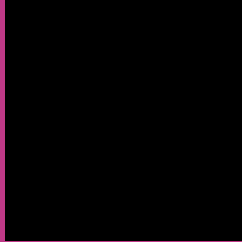
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 15.7519, 0.4042, 0.2330**

## Background



This preview shows how black text looks on a background with the Yxy color 15.7519, 0.4042, 0.2330.



This preview shows how white text looks on a background with the Yxy color 15.7519, 0.4042, 0.2330.

# 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

15.7519, 0.4042, 0.2330

### Protanopia

16.0291, 0.2278, 0.2143

### Deuteranopia

15.8610, 0.2962, 0.2900



## Tritanopia

15.7400, 0.4942, 0.3245

# Trichromacy



**Original Color**

15.7519, 0.4042, 0.2330

**Protanomaly**

14.1755, 0.2737, 0.2112

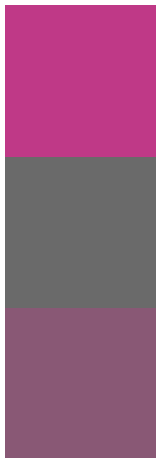
**Deuteranomaly**

14.5342, 0.3323, 0.2566

**Tritanomaly**

15.5875, 0.4639, 0.2898

# Monochromacy



**Original Color**

15.7519, 0.4042, 0.2330

**Achromatopsia**

14.4128, 0.3127, 0.3290

**Achromatomaly**

13.5822, 0.3462, 0.2763

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.7519, 0.4042, 0.2330 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(191, 57, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 57, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 15.7519, 0.4042, 0.2330 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, 135) }
```

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

```
.border{ border-color:rgb(191, 57, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 57, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 57, 135);  
box-shadow:4px 4px 4px 4px rgb(191, 57,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 15.7519, 0.4042, 0.2330 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, 135) }
```

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

```
.background{ background-color: rgb(191, 57,  
135) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor