

Converting Colors

$Y_{xy}(15.4121, 0.3809, 0.2134)$

Have a look what the booklet for
Yxy(15.4121, 0.3809, 0.2134)
contains.

Yxy(15.3814, 0.3817, 0.2137)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.3814, 0.3817, 0.2137)

Conversions

Conversions Part 1

Format	Color
Hex	BD3493
RGB	189, 52, 147
RGB Percent	74%, 20%, 58%
CMY	0.2590, 0.7958, 0.4236
CMYK	0.00, 0.72, 0.22, 0.26
HSL	318°, 57%, 47%
HSV	318°, 72%, 74%
XYZ	27.4735, 15.3814, 29.1217
YIQ	103.7930, 51.1570, 58.5890

Conversions

Conversions Part 2

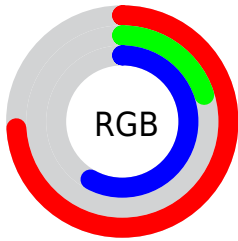
Format	Color
R_{YB}	189, 52, 147
Decimal	12399763
CIE _{Lab}	46.15, 62.70, -21.70
CIE _{LCh}	46, 66.346, 340.908
Yxy	15.3814, 0.3817, 0.2137
Android (android.graphics.Color)	4290589843 (0xFFBD3493)
YUV	103.7930, 21.3011, 74.7265
Hunter-Lab	39.2191, 56.4079, -16.5717

Details

The Yxy color **15.3814, 0.3817, 0.2137** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.9200, 0.2834, 0.4968**, and the grayscale version is **13.7241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3254, 0.3671, 0.2365**, and **5.7501, 0.4018, 0.1987** is the 20% darker color. If you saturate the color by 10%, you get **13.8402, 0.3947, 0.2073**, and if you desaturate by 10%, it is **17.6084, 0.3690, 0.2244**.

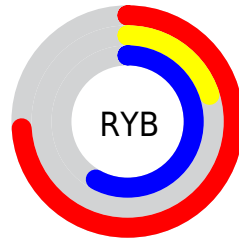
Distribution



Red (74%)

Green (20%)

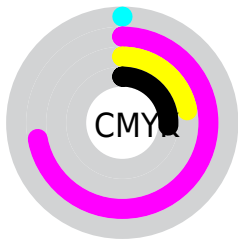
Blue (58%)



Red (74%)

Yellow (20%)

Blue (58%)

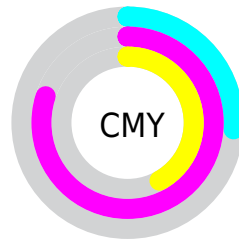


Cyan (0%)

Magenta (72%)

Yellow (22%)

Black (26%)



Cyan (26%)


Magenta (80%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3814, 0.3817, 0.2137 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 15.3814, 0.3817, 0.2137 by changing the saturation by 10% instead.


 15.3814, 0.3817,
0.2137


 15.3814, 0.3817,
0.2137


225.6633, 0.3442,
0.2753


 9.0875, 0.3921,
0.1972


 35.5209, 0.3673,
0.2370


 4.7983, 0.4060,
0.1755


 50.1353, 0.3621,
0.2455


 2.1294, 0.4254,
0.1461

 68.2919, 0.3578,
0.2525

 0.6811, 0.4550,
0.1030

 90.3753, 0.3542,
0.2585

 0.0000, 0.5232,
0.0000

 116.7697, 0.3512,
0.2636

 0.0000, 1.0000,
0.0000

147.8595, 0.3485,

 0.0000, 0.0000,

0.2681

0.0000

184.0293, 0.3462,
0.2719

■ 15.3814, 0.3817,
0.2137

■ 15.3814, 0.3817,
0.2137

■ 13.8402, 0.3947,
0.2073

■ 17.6084, 0.3690,
0.2244

■ 12.8963, 0.4076,
0.2058

■ 20.5909, 0.3570,
0.2383

■ 12.4537, 0.4173,
0.2072

■ 24.3926, 0.3461,
0.2546

■ 29.0697, 0.3363,
0.2721

■ 34.6734, 0.3277,
0.2901

■ 41.2512, 0.3204,
0.3078

■ 48.8470, 0.3141,
0.3249

■ 57.5022, 0.3088,
0.3411

■ 67.2558, 0.3044,
0.3563

Harmonies

Analogous

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



15.3814, 0.2513, 0.1685



15.3814, 0.3817, 0.2137



15.3814, 0.5108, 0.2797

Triad

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



15.3814, 0.3817, 0.2137



15.3814, 0.4358, 0.5295



15.3814, 0.1126, 0.2206

Complementary

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



15.3814, 0.3817, 0.2137



37.9200, 0.2834, 0.4968

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.



15.3814, 0.1406, 0.3413



15.3814, 0.3817, 0.2137



15.3814, 0.3244, 0.5804

Square

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



15.3814, 0.3817, 0.2137



15.3814, 0.5270, 0.4389



15.3814, 0.2158, 0.5052



15.3814, 0.1215, 0.1646

Rectangle

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



15.3814, 0.3817, 0.2137



15.3814, 0.5574, 0.3290



15.3814, 0.2158, 0.5052



15.3814, 0.1173, 0.2527

Sweetspot

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



15.3822, 0.3817, 0.2137



62.2312, 0.3277, 0.2903



8.4683, 0.2064, 0.1170



12.7610, 0.3298, 0.2854



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.



15.3822, 0.3817, 0.2137



23.6753, 0.4025, 0.2059



13.8468, 0.5095, 0.2985



9.6451, 0.3183, 0.3132



8.3970, 0.4157, 0.2064



0.3401, 0.3879, 0.1911

Inverse Universe

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



15.3822, 0.3817, 0.2137



23.6753, 0.4025, 0.2059



39.7051, 0.2460, 0.3743



9.6451, 0.3183, 0.3132



8.3970, 0.4157, 0.2064



0.3401, 0.3879, 0.1911

Previews

White Background



This preview shows how the Yxy color 15.3814, 0.3817, 0.2137 looks on a white background.

Color Contrast Check

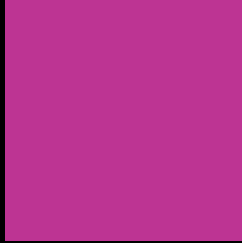
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3814, 0.3817, 0.2137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

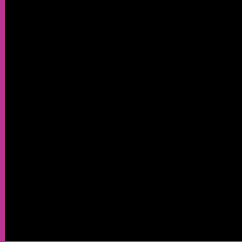
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3814, 0.3817, 0.2137

Background



This preview shows how black text looks on a background with the Yxy color 15.3814, 0.3817, 0.2137.



This preview shows how white text looks on a background with the Yxy color 15.3814, 0.3817, 0.2137.

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

15.3814, 0.3817, 0.2137

Protanopia

15.6496, 0.2065, 0.1868

Deuteranopia

15.6534, 0.2742, 0.2688



Tritanopia

15.3824, 0.4890, 0.3230

Trichromacy



Original Color

15.3814, 0.3817, 0.2137

Protanomaly

13.5172, 0.2471, 0.1843

Deuteranomaly

14.1667, 0.3085, 0.2359

Tritanomaly

15.0742, 0.4519, 0.2798

Monochromacy



Original Color

15.3814, 0.3817, 0.2137

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.0040, 0.3391, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3814, 0.3817, 0.2137 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(189, 52, 147)` looks like.

```
.text, #text, p{  
  color:rgb(189, 52, 147)  
}
```

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(189, 52, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 52, 147) }
```

Border

The CSS property to change the border of an element to Yxy 15.3814, 0.3817, 0.2137 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(189, 52, 147) }
```

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

```
.border{ border-color:rgb(189, 52, 147) }
```

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

Here you see how a box with a 4 pixel rgb(189, 52, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 52, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 52, 147);  
box-shadow:4px 4px 4px 4px rgb(189, 52,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3814, 0.3817, 0.2137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 52, 147) }
```

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

```
.background{ background-color: rgb(189, 52,  
147) }
```

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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