

Converting Colors

$Y_{xy}(10.5871, 0.3743, 0.1844)$

Have a look what the booklet for
Yxy(10.5871, 0.3743, 0.1844)
contains.

Yxy(10.5871, 0.3743, 0.1844)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.5871, 0.3743, 0.1844)

Conversions

Conversions Part 1

Format	Color
Hex	AB038B
RGB	171, 3, 139
RGB Percent	67%, 1%, 55%
CMY	0.3293, 0.9885, 0.4549
CMYK	0.00, 0.98, 0.19, 0.33
HSL	311°, 97%, 34%
HSV	311°, 98%, 67%
XYZ	21.4900, 10.5871, 25.3367
YIQ	68.7360, 56.4720, 77.9120

Conversions

Conversions Part 2

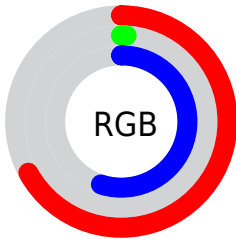
Format	Color
RYB	171, 3, 139
Decimal	11207563
CIELab	38.88, 68.07, -28.40
CIElCh	39, 73.757, 337.352
Yxy	10.5871, 0.3743, 0.1844
Android (android.graphics.Color)	4289397643 (0xFFAB038B)
YUV	68.7360, 34.6402, 89.6855
Hunter-Lab	32.5378, 60.9512, -23.3917

Details

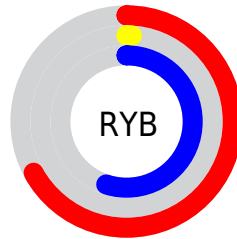
The Yxy color **10.5871, 0.3743, 0.1844** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **29.2723, 0.2944, 0.5782**, and the grayscale version is **5.8361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8598, 0.3615, 0.2141**, and **4.2820, 0.3853, 0.1896** is the 20% darker color. If you saturate the color by 10%, you get **10.5076, 0.3755, 0.1842**, and if you desaturate by 10%, it is **11.1222, 0.3673, 0.1861**.

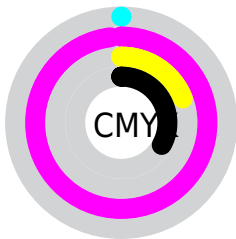
Distribution



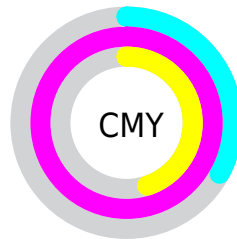
- Red (67%)
- Green (1%)
- Blue (55%)



- Red (67%)
- Yellow (1%)
- Blue (55%)



- Cyan (0%)
- Magenta (98%)
- Yellow (19%)
- Black (33%)




- Cyan (33%)
- Magenta (99%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5871, 0.3743, 0.1844 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 10.5871, 0.3743, 0.1844 by changing the saturation by 10% instead.


 10.5871, 0.3743,
0.1844


 10.5871, 0.3743,
0.1844


194.8125, 0.3411,
0.2631


 5.7899, 0.3831,
0.1631


 26.8941, 0.3618,
0.2144


 2.7178, 0.3944,
0.1353


 39.1727, 0.3572,
0.2252


 0.9862, 0.4090,
0.0985

 54.7138, 0.3534,
0.2343

 0.0000, 0.4497,
0.0000

 73.9020, 0.3502,
0.2419

 0.0000, 0.4324,
0.0000

 97.1216, 0.3474,
0.2484

 0.0000, 0.0000,
0.0000

 124.7569, 0.3450,

0.2540

157.1924, 0.3429,
0.2588

■ 10.5871, 0.3743,
0.1844

■ 10.5871, 0.3743,
0.1844

■ 10.5076, 0.3755,
0.1842

■ 11.1222, 0.3673,
0.1861

■ 12.0519, 0.3601,
0.1919

■ 13.4834, 0.3528,
0.2021

■ 15.4781, 0.3455,
0.2161

■ 18.0888, 0.3385,
0.2331

■ 21.3621, 0.3320,
0.2521

■ 25.3402, 0.3260,
0.2723

■ 30.0618, 0.3207,
0.2927

■ 35.5626, 0.3161,
0.3129

Harmonies

Analogous

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



10.5871, 0.2212, 0.1384



10.5871, 0.3743, 0.1844



10.5871, 0.5431, 0.2546

Triad

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



10.5871, 0.3743, 0.1844



10.5871, 0.4569, 0.5431



10.5871, 0.0828, 0.2047

Complementary

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



10.5871, 0.3743, 0.1844



29.2723, 0.2944, 0.5782

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.



10.5871, 0.1134, 0.3621



10.5871, 0.3743, 0.1844



10.5871, 0.3243, 0.6402

Square

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



10.5871, 0.3743, 0.1844



10.5871, 0.5718, 0.4282



10.5871, 0.2000, 0.5826



10.5871, 0.0902, 0.1392

Rectangle

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



10.5871, 0.3743, 0.1844



10.5871, 0.6058, 0.3061



10.5871, 0.2000, 0.5826



10.5871, 0.0879, 0.2447

Sweetspot

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



10.5877, 0.3743, 0.1844



44.4270, 0.3267, 0.2698



3.3405, 0.1603, 0.0666



9.2279, 0.3291, 0.2614



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.5877, 0.3743, 0.1844



18.7845, 0.3766, 0.1848



9.0107, 0.5636, 0.2894



8.1215, 0.3165, 0.3108



7.9268, 0.3749, 0.1839



0.2272, 0.3559, 0.1734

Inverse Universe

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



10.5877, 0.3743, 0.1844



18.7845, 0.3766, 0.1848



30.4543, 0.2540, 0.4330



8.1215, 0.3165, 0.3108



7.9268, 0.3749, 0.1839



0.2272, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 10.5871, 0.3743, 0.1844 looks on a white background.

Color Contrast Check

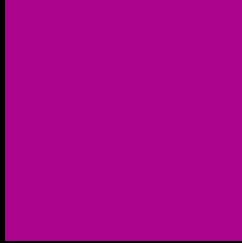
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5871, 0.3743, 0.1844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

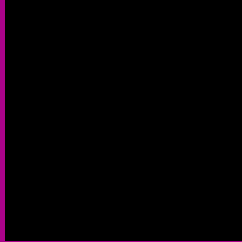
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5871, 0.3743, 0.1844

Background



This preview shows how black text looks on a background with the Yxy color 10.5871, 0.3743, 0.1844.



This preview shows how white text looks on a background with the Yxy color 10.5871, 0.3743, 0.1844.

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

10.5871, 0.3743, 0.1844

Protanopia

11.3324, 0.1744, 0.1479

Deuteranopia

11.2342, 0.2519, 0.2478



Tritanopia

10.9304, 0.5196, 0.3257

Trichromacy



Original Color

10.5871, 0.3743, 0.1844



Protanomaly

7.1692, 0.1893, 0.1223



Deuteranomaly

8.5026, 0.2877, 0.1913



Tritanomaly

10.1654, 0.4754, 0.2643

Monochromacy



Original Color

10.5871, 0.3743, 0.1844



Achromatopsia

5.9511, 0.3127, 0.3290



Achromatomaly

5.7491, 0.3440, 0.2221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5871, 0.3743, 0.1844 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(171, 3, 139)` looks like.

```
.text, #text, p{  
    color:rgb(171, 3, 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(171, 3, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 3, 139) }
```

Border

The CSS property to change the border of an element to Yxy 10.5871, 0.3743, 0.1844 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(171, 3, 139) }
```

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

```
.border{ border-color:rgb(171, 3, 139) }
```

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

Here you see how a box with a 4 pixel rgb(171, 3, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 3, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 3, 139);  
box-shadow:4px 4px 4px 4px rgb(171, 3,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5871, 0.3743, 0.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 3, 139) }
```

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

```
.background{ background-color: rgb(171, 3,  
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](#).

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