

Converting Colors

$Y_{xy}(10.7030, 0.3843, 0.1891)$

Have a look what the booklet for
Yxy(10.7030, 0.3843, 0.1891)
contains.

Yxy(10.6618, 0.3834, 0.1885)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.6618, 0.3834, 0.1885)

Conversions

Conversions Part 1

Format	Color
Hex	AD0088
RGB	173, 0, 136
RGB Percent	68%, 0%, 53%
CMY	0.3214, 1.0000, 0.4666
CMYK	0.00, 1.00, 0.21, 0.32
HSL	313°, 100%, 34%
HSV	313°, 100%, 68%
XYZ	21.6856, 10.6618, 24.2139
YIQ	67.2310, 59.4520, 78.9720

Conversions

Conversions Part 2

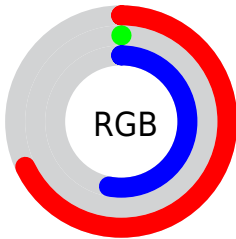
Format	Color
RYB	173, 0, 136
Decimal	11337864
CIELab	39.00, 68.44, -26.33
CIELCh	39, 73.328, 338.953
Yxy	10.6618, 0.3834, 0.1885
Android (android.graphics.Color)	4289527944 (0xFFAD0088)
YUV	67.2310, 33.9031, 92.7594
Hunter-Lab	32.6524, 61.4063, -21.1107

Details

The Yxy color **10.6618, 0.3834, 0.1885** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **30.0377, 0.2936, 0.5769**, and the grayscale version is **5.5921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0600, 0.3675, 0.2178**, and **4.3849, 0.3957, 0.1953** is the 20% darker color. If you saturate the color by 10%, you get **10.6673, 0.3834, 0.1886**, and if you desaturate by 10%, it is **11.1848, 0.3754, 0.1894**.

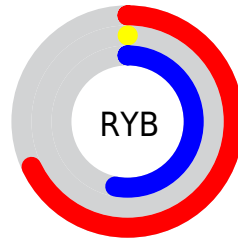
Distribution



Red (68%)

Green (0%)

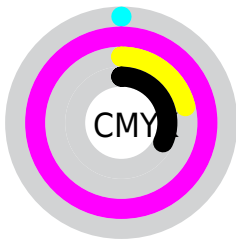
Blue (53%)



Red (68%)

Yellow (0%)

Blue (53%)

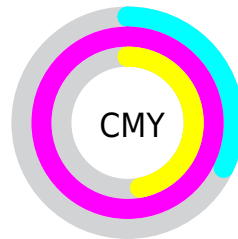


Cyan (0%)

Magenta (100%)

Yellow (21%)

Black (32%)



Cyan (32%)


Magenta (100%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6618, 0.3834, 0.1885 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 10.6618, 0.3834, 0.1885 by changing the saturation by 10% instead.


 10.6618, 0.3834,
0.1885


 10.6618, 0.3834,
0.1885


195.3324, 0.3445,
0.2654


 5.8399, 0.3942,
0.1675


 27.0331, 0.3684,
0.2179


 2.7480, 0.4085,
0.1399


 39.3512, 0.3630,
0.2285


 1.0016, 0.4280,
0.1030

 54.9369, 0.3586,
0.2373

 0.0000, 0.4808,
0.0000

 74.1745, 0.3548,
0.2447

 0.0000, 0.4990,
0.0000

 97.4485, 0.3517,
0.2510

 0.0000, 0.0000,
0.0000

 125.1432, 0.3489,

0.2565

157.6430, 0.3465,
0.2612

■ 10.6618, 0.3834,
0.1885

■ 10.6618, 0.3834,
0.1885

■ 10.6673, 0.3834,
0.1886

■ 11.1848, 0.3754,
0.1894

■ 12.0644, 0.3671,
0.1941

■ 13.4480, 0.3587,
0.2032

■ 15.4011, 0.3504,
0.2162

■ 17.9793, 0.3425,
0.2324

■ 21.2316, 0.3351,
0.2508

■ 25.2021, 0.3284,
0.2704

■ 29.9312, 0.3224,
0.2903

■ 35.4562, 0.3172,
0.3100

Harmonies

Analogous

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



10.6618, 0.2284, 0.1410



10.6618, 0.3834, 0.1885



10.6618, 0.5485, 0.2593

Triad

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



10.6618, 0.3834, 0.1885



10.6618, 0.4505, 0.5495



10.6618, 0.0834, 0.2004

Complementary

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



10.6618, 0.3834, 0.1885



30.0377, 0.2936, 0.5769

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.



10.6618, 0.1117, 0.3509



10.6618, 0.3834, 0.1885



10.6618, 0.3177, 0.6394

Square

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



10.6618, 0.3834, 0.1885



10.6618, 0.5659, 0.4341



10.6618, 0.1952, 0.5706



10.6618, 0.0924, 0.1384

Rectangle

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



10.6618, 0.3834, 0.1885



10.6618, 0.6062, 0.3109



10.6618, 0.1952, 0.5706



10.6618, 0.0879, 0.2384

Sweetspot

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



10.6673, 0.3834, 0.1886



44.7052, 0.3287, 0.2693



3.3693, 0.1602, 0.0656



9.0583, 0.3314, 0.2613



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.



10.6673, 0.3834, 0.1886



19.0611, 0.3847, 0.1893



9.1364, 0.5751, 0.2942



8.1183, 0.3169, 0.3114



7.8410, 0.3826, 0.1881



0.2254, 0.3607, 0.1760

Inverse Universe

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



10.6673, 0.3834, 0.1886



19.0611, 0.3847, 0.1893



31.2876, 0.2526, 0.4292



8.1183, 0.3169, 0.3114



7.8410, 0.3826, 0.1881



0.2254, 0.3607, 0.1760

Previews

White Background



This preview shows how the Yxy color 10.6618, 0.3834, 0.1885 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 10.6618, 0.3834, 0.1885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

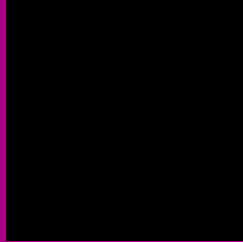
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6618, 0.3834, 0.1885

Background



This preview shows how black text looks on a background with the Yxy color 10.6618, 0.3834, 0.1885.



This preview shows how white text looks on a background with the Yxy color 10.6618, 0.3834, 0.1885.

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

10.6618, 0.3834, 0.1885

Protanopia

11.4340, 0.1763, 0.1486

Deuteranopia

11.2923, 0.2586, 0.2541



Tritanopia

11.1393, 0.5277, 0.3271

Trichromacy



Original Color

10.6618, 0.3834, 0.1885



Protanomaly

7.3824, 0.1976, 0.1254



Deuteranomaly

8.5215, 0.2970, 0.1957



Tritanomaly

10.2349, 0.4837, 0.2665

Monochromacy



Original Color

10.6618, 0.3834, 0.1885



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.5646, 0.3490, 0.2222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6618, 0.3834, 0.1885 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(173, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 136)  
}
```

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(173, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 136) }
```

Border

The CSS property to change the border of an element to Yxy 10.6618, 0.3834, 0.1885 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(173, 0, 136) }
```

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

```
.border{ border-color:rgb(173, 0, 136) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6618, 0.3834, 0.1885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 136) }
```

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

```
.background{ background-color: rgb(173, 0,  
136) }
```

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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