

Converting Colors

$Y_{xy}(13.5906, 0.3583, 0.1844)$

Have a look what the booklet for
Yxy(13.5906, 0.3583, 0.1844)
contains.

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Color

Yxy(13.5875, 0.3589, 0.1847)

Conversions

Conversions Part 1

Format	Color
Hex	B81E9E
RGB	184, 30, 158
RGB Percent	72%, 12%, 62%
CMY	0.2784, 0.8823, 0.3804
CMYK	0.00, 0.84, 0.14, 0.28
HSL	310°, 72%, 42%
HSV	310°, 84%, 72%
XYZ	26.4026, 13.5875, 33.5752
YIQ	90.6380, 50.6960, 72.4560

Conversions

Conversions Part 2

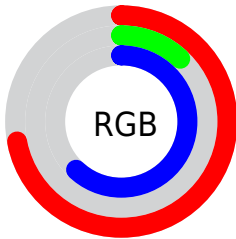
Format	Color
R_{YB}	184, 30, 158
Decimal	12066462
CIE _{Lab}	43.64, 69.19, -32.30
CIE _{LCh}	44, 76.360, 334.977
Yxy	13.5875, 0.3589, 0.1847
Android (android.graphics.Color)	4290256542 (0xFFB81E9E)
YUV	90.6380, 33.2095, 81.8785
Hunter-Lab	36.8612, 63.3469, -28.2016

Details

The Yxy color **13.5875, 0.3589, 0.1847** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **34.8436, 0.2932, 0.5554**, and the grayscale version is **10.2923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2245, 0.3503, 0.2124**, and **5.4762, 0.3640, 0.1779** is the 20% darker color. If you saturate the color by 10%, you get **12.8069, 0.3650, 0.1812**, and if you desaturate by 10%, it is **14.9153, 0.3525, 0.1927**.

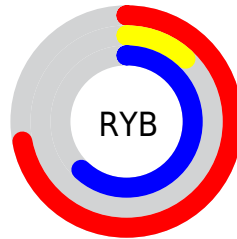
Distribution



Red (72%)

Green (12%)

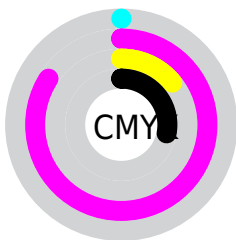
Blue (62%)



Red (72%)

Yellow (12%)

Blue (62%)

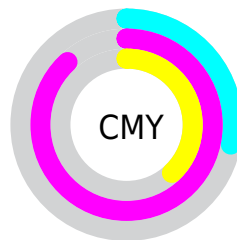


Cyan (0%)

Magenta (84%)

Yellow (14%)

Black (28%)



Cyan (28%)


Magenta (88%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5875, 0.3589, 0.1847 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 13.5875, 0.3589, 0.1847 by changing the saturation by 10% instead.


 13.5875, 0.3589,
0.1847


 13.5875, 0.3589,
0.1847

214.6493, 0.3359,
0.2603


 7.8343, 0.3642,
0.1653


 32.3553, 0.3507,
0.2127


 3.9891, 0.3706,
0.1406


 46.1387, 0.3476,
0.2231


 1.6675, 0.3779,
0.1085

 63.3677, 0.3449,
0.2318


 0.4025, 0.3893,
0.0566

 84.4266, 0.3426,
0.2392

 0.0000, 0.3932,
0.0000

 109.6998, 0.3406,
0.2456

 0.0000, 0.0000,
0.0000

 139.5717, 0.3388,

0.2512

174.4268, 0.3373,
0.2560

■ 13.5875, 0.3589,
0.1847

■ 13.5875, 0.3589,
0.1847

■ 12.8069, 0.3650,
0.1812

■ 14.9153, 0.3525,
0.1927

■ 12.4879, 0.3688,
0.1805

■ 16.8708, 0.3460,
0.2049

■ 19.5232, 0.3396,
0.2207

■ 22.9323, 0.3335,
0.2392

■ 27.1512, 0.3278,
0.2593

■ 32.2284, 0.3226,
0.2802

■ 38.2085, 0.3181,
0.3012

■ 45.1331, 0.3141,
0.3217

■ 53.0411, 0.3106,
0.3412

Harmonies

Analogous

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



13.5875, 0.2159, 0.1417



13.5875, 0.3589, 0.1847



13.5875, 0.5224, 0.2525

Triad

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



13.5875, 0.3589, 0.1847



13.5875, 0.4678, 0.5322



13.5875, 0.0901, 0.2190

Complementary

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



13.5875, 0.3589, 0.1847



34.8436, 0.2932, 0.5554

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.



13.5875, 0.1254, 0.3781



13.5875, 0.3589, 0.1847



13.5875, 0.3376, 0.6219

Square

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



13.5875, 0.3589, 0.1847



13.5875, 0.5680, 0.4190



13.5875, 0.2154, 0.5806



13.5875, 0.0944, 0.1485

Rectangle

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



13.5875, 0.3589, 0.1847



13.5875, 0.5897, 0.3034



13.5875, 0.2154, 0.5806



13.5875, 0.0966, 0.2605

Sweetspot

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



13.5882, 0.3589, 0.1847



56.7140, 0.3235, 0.2766



5.2216, 0.1738, 0.0846



11.5165, 0.3253, 0.2693



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.5882, 0.3589, 0.1847



22.6062, 0.3697, 0.1810



11.7191, 0.5123, 0.2763



9.1360, 0.3163, 0.3102



8.6155, 0.3681, 0.1802



0.3107, 0.3540, 0.1724

Inverse Universe

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



13.5882, 0.3589, 0.1847



22.6062, 0.3697, 0.1810



36.2422, 0.2544, 0.4212



9.1360, 0.3163, 0.3102



8.6155, 0.3681, 0.1802



0.3107, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 13.5875, 0.3589, 0.1847 looks on a white background.

Color Contrast Check

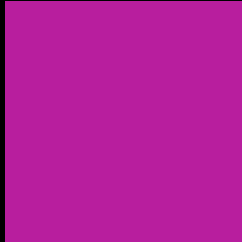
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5875, 0.3589, 0.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

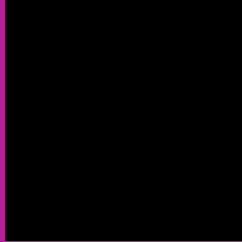
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5875, 0.3589, 0.1847

Background



This preview shows how black text looks on a background with the Yxy color 13.5875, 0.3589, 0.1847.



This preview shows how white text looks on a background with the Yxy color 13.5875, 0.3589, 0.1847.

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

13.5875, 0.3589, 0.1847

Protanopia

13.9694, 0.1737, 0.1454

Deuteranopia

13.8967, 0.2430, 0.2377



Tritanopia

13.6993, 0.4983, 0.3243

Trichromacy



Original Color

13.5875, 0.3589, 0.1847



Protanomaly

10.1205, 0.1894, 0.1316



Deuteranomaly

11.5735, 0.2762, 0.1964



Tritanomaly

13.2013, 0.4493, 0.2653

Monochromacy



Original Color

13.5875, 0.3589, 0.1847



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

9.8540, 0.3342, 0.2407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5875, 0.3589, 0.1847 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(184, 30, 158)` looks like.

```
.text, #text, p{  
    color:rgb(184, 30, 158)  
}
```

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(184, 30, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 30, 158) }
```

Border

The CSS property to change the border of an element to Yxy 13.5875, 0.3589, 0.1847 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(184, 30, 158) }
```

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

```
.border{ border-color:rgb(184, 30, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 30, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 30, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 30, 158);  
box-shadow:4px 4px 4px 4px rgb(184, 30,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5875, 0.3589, 0.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 30, 158) }
```

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

```
.background{ background-color: rgb(184, 30,  
158) }
```

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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