

Converting Colors

$Y_{xy}(11.8983, 0.4394, 0.2194)$

Have a look what the booklet for
Yxy(11.8983, 0.4394, 0.2194)
contains.

Yxy(11.8967, 0.4394, 0.2194)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.8967, 0.4394, 0.2194)

Conversions

Conversions Part 1

Format	Color
Hex	BB0077
RGB	187, 0, 119
RGB Percent	73%, 0%, 47%
CMY	0.2666, 1.0000, 0.5332
CMYK	0.00, 1.00, 0.36, 0.27
HSL	322°, 100%, 37%
HSV	322°, 100%, 73%
XYZ	23.8259, 11.8967, 18.5012
YIQ	69.4790, 73.2530, 76.6530

Conversions

Conversions Part 2

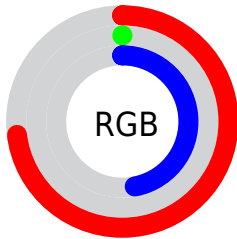
Format	Color
RYB	187, 0, 119
Decimal	12255351
CIELab	41.05, 69.35, -12.41
CIElCh	41, 70.454, 349.854
Yxy	11.8967, 0.4394, 0.2194
Android (android.graphics.Color)	4290445431 (0xFFBB0077)
YUV	69.4790, 24.4139, 103.0659
Hunter-Lab	34.4916, 62.9431, -7.6588

Details

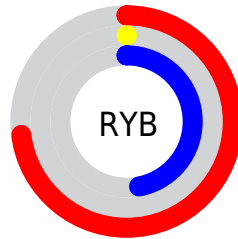
The Yxy color **11.8967, 0.4394, 0.2194** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **35.9612, 0.2842, 0.5433**, and the grayscale version is **5.9848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3937, 0.4099, 0.2443**, and **5.0441, 0.4672, 0.2347** is the 20% darker color. If you saturate the color by 10%, you get **11.8983, 0.4394, 0.2194**, and if you desaturate by 10%, it is **12.5233, 0.4234, 0.2166**.

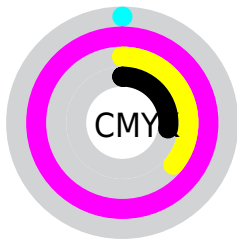
Distribution



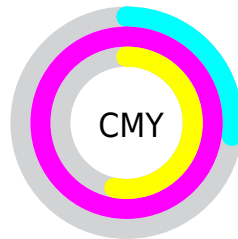
- Red (73%)
- Green (0%)
- Blue (47%)



- Red (73%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (27%)




- Cyan (27%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8967, 0.4394, 0.2194 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 11.8967, 0.4394, 0.2194 by changing the saturation by 10% instead.


 11.8967, 0.4394,
0.2194


 11.8967, 0.4394,
0.2194


203.7202, 0.3651,
0.2813


 6.6734, 0.4626,
0.2014


 29.3068, 0.4093,
0.2438


 3.2587, 0.4955,
0.1767

 42.2624, 0.3989,
0.2523

 1.2682, 0.5457,
0.1415

 58.5642, 0.3906,
0.2594

 0.1164, 0.6661,
0.0350

 78.5966, 0.3837,
0.2652

 0.0000, 1.0000,
0.0000

 102.7440, 0.3779,
0.2702

 0.0000, 0.0000,
0.0000

 131.3908, 0.3730,

0.2744

164.9214, 0.3688,
0.2781

■ 11.8967, 0.4394,
0.2194

■ 11.8967, 0.4394,
0.2194

■ 11.8983, 0.4394,
0.2194

■ 12.5233, 0.4234,
0.2166

■ 13.5971, 0.4072,
0.2182

■ 15.2805, 0.3911,
0.2246

■ 17.6534, 0.3757,
0.2352

■ 20.7837, 0.3615,
0.2487

■ 24.7310, 0.3487,
0.2642

■ 29.5488, 0.3375,
0.2806

■ 35.2862, 0.3279,
0.2972

■ 41.9885, 0.3196,
0.3135

Harmonies

Analogous

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



11.8967, 0.2812, 0.1633



11.8967, 0.4394, 0.2194



11.8967, 0.5692, 0.2927

Triad

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



11.8967, 0.4394, 0.2194



11.8967, 0.4051, 0.5795



11.8967, 0.0928, 0.1802

Complementary

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



11.8967, 0.4394, 0.2194



35.9612, 0.2842, 0.5433

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.



11.8967, 0.1070, 0.2888



11.8967, 0.4394, 0.2194



11.8967, 0.2791, 0.6163

Square

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



11.8967, 0.4394, 0.2194



11.8967, 0.5221, 0.4739



11.8967, 0.1693, 0.4812



11.8967, 0.1128, 0.1387

Rectangle

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



11.8967, 0.4394, 0.2194



11.8967, 0.5955, 0.3451



11.8967, 0.1693, 0.4812



11.8967, 0.0934, 0.2069

Sweetspot

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



11.8983, 0.4394, 0.2194



52.4610, 0.3380, 0.2798



4.7275, 0.1768, 0.0747



10.7120, 0.3426, 0.2728



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.



11.8983, 0.4394, 0.2194



21.2608, 0.4417, 0.2207



10.6499, 0.6195, 0.3187



9.6358, 0.3192, 0.3145



8.2115, 0.4376, 0.2184



0.3338, 0.4028, 0.1993

Inverse Universe

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



11.8983, 0.4394, 0.2194



21.2608, 0.4417, 0.2207



38.0457, 0.2380, 0.3769



9.6358, 0.3192, 0.3145



8.2115, 0.4376, 0.2184



0.3338, 0.4028, 0.1993

Previews

White Background



This preview shows how the Yxy color 11.8967, 0.4394, 0.2194 looks on a white background.

Color Contrast Check

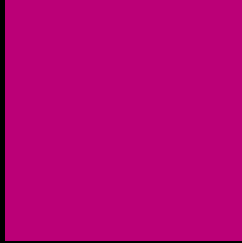
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8967, 0.4394, 0.2194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

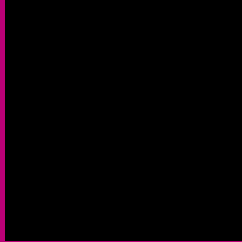
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8967, 0.4394, 0.2194

Background



This preview shows how black text looks on a background with the Yxy color 11.8967, 0.4394, 0.2194.



This preview shows how white text looks on a background with the Yxy color 11.8967, 0.4394, 0.2194.

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

11.8967, 0.4394, 0.2194

Protanopia

12.6450, 0.2090, 0.1909

Deuteranopia

12.6401, 0.3039, 0.2989



Tritanopia

12.3221, 0.5613, 0.3278

Trichromacy



Original Color

11.8967, 0.4394, 0.2194



Protanomaly

9.0591, 0.2605, 0.1702



Deuteranomaly

9.7285, 0.3529, 0.2353



Tritanomaly

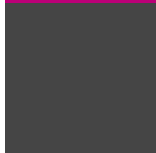
11.6133, 0.5279, 0.2856

Monochromacy



Original Color

11.8967, 0.4394, 0.2194



Achromatopsia

5.9511, 0.3127, 0.3290



Achromatomaly

5.9342, 0.3735, 0.2382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8967, 0.4394, 0.2194 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(187, 0, 119)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 119)  
}
```

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(187, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 119) }
```

Border

The CSS property to change the border of an element to Yxy 11.8967, 0.4394, 0.2194 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(187, 0, 119) }
```

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

```
.border{ border-color:rgb(187, 0, 119) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8967, 0.4394, 0.2194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 119) }
```

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

```
.background{ background-color: rgb(187, 0,  
119) }
```

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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