

Converting Colors

$Y_{xy}(13.5016, 0.4450, 0.2426)$

Have a look what the booklet for
Yxy(13.5016, 0.4450, 0.2426)
contains.

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Color

Yxy(13.5077, 0.4443, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	BD2773
RGB	189, 39, 115
RGB Percent	74%, 15%, 45%
CMY	0.2588, 0.8471, 0.5490
CMYK	0.00, 0.79, 0.39, 0.26
HSL	330°, 66%, 45%
HSV	330°, 79%, 74%
XYZ	24.8097, 13.5077, 17.5226
YIQ	92.5140, 65.0040, 55.4360

Conversions

Conversions Part 2

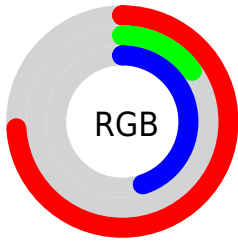
Format	Color
R_{YB}	189, 39, 115
Decimal	12396403
CIE _{Lab}	43.52, 63.00, -6.17
CIE _{LCh}	44, 63.300, 354.408
Yxy	13.5077, 0.4443, 0.2419
Android (android.graphics.Color)	4290586483 (0xFFBD2773)
YUV	92.5140, 11.0856, 84.6182
Hunter-Lab	36.7528, 56.1777, -2.5406

Details

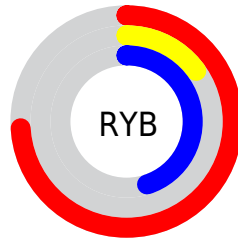
The Yxy color **13.5077, 0.4443, 0.2419** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **38.0247, 0.2690, 0.4646**, and the grayscale version is **10.7880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0441, 0.4123, 0.2611**, and **5.1511, 0.4835, 0.2437** is the 20% darker color. If you saturate the color by 10%, you get **12.3580, 0.4684, 0.2430**, and if you desaturate by 10%, it is **15.2985, 0.4205, 0.2459**.

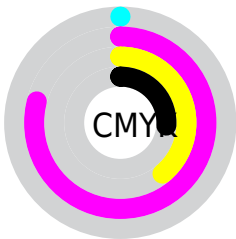
Distribution



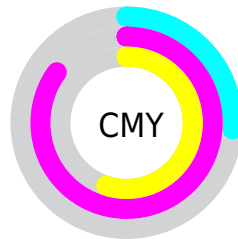
- Red (74%)
- Green (15%)
- Blue (45%)



- Red (74%)
- Yellow (15%)
- Blue (45%)



- Cyan (0%)
- Magenta (79%)
- Yellow (39%)
- Black (26%)




- Cyan (26%)
- Magenta (85%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5077, 0.4443, 0.2419 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 13.5077, 0.4443, 0.2419 by changing the saturation by 10% instead.


 13.5077, 0.4443,
0.2419


 13.5077, 0.4443,
0.2419


214.1463, 0.3670,
0.2919


 7.7791, 0.4685,
0.2269


 32.2129, 0.4128,
0.2618


 3.9539, 0.5032,
0.2060

 45.9583, 0.4021,
0.2688


 1.6478, 0.5562,
0.1751

 63.1447, 0.3934,
0.2744

 0.3895, 0.6605,
0.1062

 84.1566, 0.3863,
0.2791

 0.0000, 1.0000,
0.0000

 109.3783, 0.3803,
0.2830

 0.0000, 0.0000,
0.0000

 139.1942, 0.3752,

0.2864

173.9888, 0.3708,
0.2893

■ 13.5077, 0.4443,
0.2419

■ 13.5077, 0.4443,
0.2419

■ 12.3580, 0.4684,
0.2430

■ 15.2985, 0.4205,
0.2459

■ 11.6976, 0.4919,
0.2488

■ 17.8096, 0.3980,
0.2540

■ 11.6614, 0.4934,
0.2492

■ 21.1113, 0.3778,
0.2650

■ 25.2645, 0.3600,
0.2776

■ 30.3245, 0.3448,
0.2910

■ 36.3414, 0.3319,
0.3044

■ 43.3622, 0.3211,
0.3174

■ 51.4302, 0.3122,
0.3297

■ 60.5865, 0.3048,
0.3413

Harmonies

Analogous

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



13.5077, 0.3059, 0.1859



13.5077, 0.4443, 0.2419



13.5077, 0.5462, 0.3129

Triad

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



13.5077, 0.4443, 0.2419



13.5077, 0.3867, 0.5618



13.5077, 0.1130, 0.1893

Complementary

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



13.5077, 0.4443, 0.2419



38.0247, 0.2690, 0.4646

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.



13.5077, 0.1232, 0.2782



13.5077, 0.4443, 0.2419



13.5077, 0.2739, 0.5643

Square

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



13.5077, 0.4443, 0.2419



13.5077, 0.4900, 0.4801



13.5077, 0.1765, 0.4325



13.5077, 0.1368, 0.1548

Rectangle

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



13.5077, 0.4443, 0.2419



13.5077, 0.5632, 0.3641



13.5077, 0.1765, 0.4325



13.5077, 0.1124, 0.2116

Sweetspot

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



13.5085, 0.4443, 0.2419



59.4632, 0.3381, 0.2977



8.5361, 0.2234, 0.1154



11.9854, 0.3428, 0.2929



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.



13.5085, 0.4443, 0.2419



21.2595, 0.4851, 0.2470



12.4338, 0.5832, 0.3278



9.6149, 0.3211, 0.3174



7.8602, 0.4906, 0.2476



0.3211, 0.4394, 0.2194

Inverse Universe

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



13.5085, 0.4443, 0.2419



21.2595, 0.4851, 0.2470



40.4000, 0.2302, 0.3327



9.6149, 0.3211, 0.3174



7.8602, 0.4906, 0.2476



0.3211, 0.4394, 0.2194

Previews

White Background



This preview shows how the Yxy color 13.5077, 0.4443, 0.2419 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 13.5077, 0.4443, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

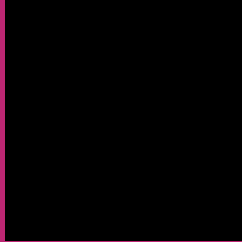
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5077, 0.4443, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 13.5077, 0.4443, 0.2419.



This preview shows how white text looks on a background with the Yxy color 13.5077, 0.4443, 0.2419.

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

13.5077, 0.4443, 0.2419

Protanopia

13.8815, 0.2360, 0.2245

Deuteranopia

13.8348, 0.3192, 0.3145



Tritanopia

13.4584, 0.5387, 0.3264

Trichromacy



Original Color

13.5077, 0.4443, 0.2419

Protanomaly

11.7260, 0.2914, 0.2166

Deuteranomaly

12.1719, 0.3638, 0.2699

Tritanomaly

13.2848, 0.5084, 0.2962

Monochromacy



Original Color

13.5077, 0.4443, 0.2419

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.2939, 0.3635, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5077, 0.4443, 0.2419 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, 39, 115)` looks like.

```
.text, #text, p{  
    color:rgb(189, 39, 115)  
}
```

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, 39, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 39, 115) }
```

Border

The CSS property to change the border of an element to Yxy 13.5077, 0.4443, 0.2419 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, 39, 115) }
```

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

```
.border{ border-color:rgb(189, 39, 115) }
```

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

Here you see how a box with a 4 pixel rgb(189, 39, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 39, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 39, 115);  
box-shadow:4px 4px 4px 4px rgb(189, 39,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5077, 0.4443, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 39, 115) }
```

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

```
.background{ background-color: rgb(189, 39,  
115) }
```

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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