

Converting Colors

$Y_{xy}(18.3613, 0.3773, 0.2394)$

Have a look what the booklet for
Yxy(18.3613, 0.3773, 0.2394)
contains.

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Color

Yxy(18.3429, 0.3780, 0.2399)

Conversions

Conversions Part 1

Format	Color
Hex	BD4E92
RGB	189, 78, 146
RGB Percent	74%, 31%, 57%
CMY	0.2588, 0.6942, 0.4274
CMYK	0.00, 0.59, 0.23, 0.26
HSL	323°, 46%, 52%
HSV	323°, 59%, 74%
XYZ	28.9021, 18.3429, 29.2156
YIQ	118.9410, 44.3280, 44.6800

Conversions

Conversions Part 2

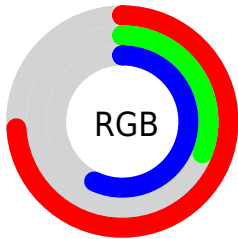
Format	Color
R_{YB}	189, 78, 146
Decimal	12406418
CIE _{Lab}	49.91, 52.14, -15.36
CIE _{LCh}	50, 54.351, 343.583
Yxy	18.3429, 0.3780, 0.2399
Android (android.graphics.Color)	4290596498 (0xFFBD4E92)
YUV	118.9410, 13.3401, 61.4417
Hunter-Lab	42.8286, 45.5074, -10.4647

Details

The Yxy color **18.3429, 0.3780, 0.2399** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **39.4009, 0.2799, 0.4448**, and the grayscale version is **18.3744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6291, 0.3644, 0.2580**, and **6.1644, 0.4019, 0.2100** is the 20% darker color. If you saturate the color by 10%, you get **15.8128, 0.3945, 0.2294**, and if you desaturate by 10%, it is **21.6611, 0.3629, 0.2533**.

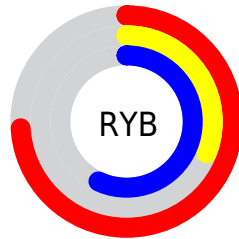
Distribution



Red (74%)

Green (31%)

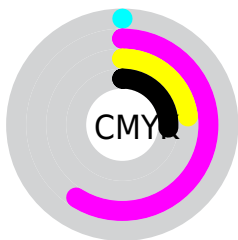
Blue (57%)



Red (74%)

Yellow (31%)

Blue (57%)

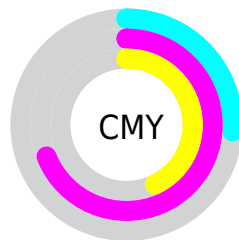


Cyan (0%)

Magenta (59%)

Yellow (23%)

Black (26%)



Cyan (26%)


Magenta (69%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3429, 0.3780, 0.2399 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 18.3429, 0.3780, 0.2399 by changing the saturation by 10% instead.


 18.3429, 0.3780,
0.2399


 18.3429, 0.3780,
0.2399

242.7968, 0.3422,
0.2877


 11.1965, 0.3881,
0.2269


 40.6208, 0.3642,
0.2581


 6.1991, 0.4018,
0.2096


 56.5210, 0.3592,
0.2646


 2.9665, 0.4215,
0.1856

 76.1079, 0.3551,
0.2701

 1.1143, 0.4516,
0.1506

 99.7659, 0.3517,
0.2747

 0.0000, 0.5564,
0.0000

 127.8794, 0.3488,
0.2787

 0.0000, 1.0000,
0.0000

160.8327, 0.3463,

 0.0000, 0.0000,

0.2821

0.0000

199.0104, 0.3441,
0.2851

■ 18.3429, 0.3780,
0.2399

■ 18.3429, 0.3780,
0.2399

■ 15.8128, 0.3945,
0.2294

■ 21.6611, 0.3629,
0.2533

■ 13.9996, 0.4119,
0.2229

■ 25.8250, 0.3494,
0.2684

■ 12.8240, 0.4296,
0.2212

■ 30.8899, 0.3376,
0.2844

■ 12.1503, 0.4469,
0.2243

■ 36.9057, 0.3276,
0.3004

■ 12.0770, 0.4491,
0.2248

■ 43.9187, 0.3190,
0.3160

■ 51.9718, 0.3119,
0.3308

■ 61.1057, 0.3059,
0.3448

■ 71.3589, 0.3009,
0.3577

■ 82.7678, 0.2968,
0.3696

Harmonies

Analogous

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



18.3429, 0.2737, 0.1986



18.3429, 0.3780, 0.2399



18.3429, 0.4737, 0.2988

Triad

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



18.3429, 0.3780, 0.2399



18.3429, 0.4151, 0.5013



18.3429, 0.1458, 0.2399

Complementary

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



18.3429, 0.3780, 0.2399



39.4009, 0.2799, 0.4448

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.



18.3429, 0.1703, 0.3321



18.3429, 0.3780, 0.2399



18.3429, 0.3229, 0.5193

Square

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



18.3429, 0.3780, 0.2399



18.3429, 0.4870, 0.4375



18.3429, 0.2329, 0.4501



18.3429, 0.1552, 0.1929

Rectangle

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



18.3429, 0.3780, 0.2399



18.3429, 0.5083, 0.3431



18.3429, 0.2329, 0.4501



18.3429, 0.1499, 0.2655

Sweetspot

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



18.3438, 0.3780, 0.2399



66.6134, 0.3271, 0.3011



13.1548, 0.2391, 0.1594



13.6057, 0.3299, 0.2965



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.



18.3438, 0.3780, 0.2399



27.4311, 0.3986, 0.2274



17.0225, 0.4702, 0.3127



9.6319, 0.3195, 0.3150



8.1397, 0.4470, 0.2236



0.3313, 0.4093, 0.2028

Inverse Universe

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



18.3438, 0.3780, 0.2399



27.4311, 0.3986, 0.2274



41.1576, 0.2476, 0.3492



9.6319, 0.3195, 0.3150



8.1397, 0.4470, 0.2236



0.3313, 0.4093, 0.2028

Previews

White Background



This preview shows how the Yxy color 18.3429, 0.3780, 0.2399 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 18.3429, 0.3780, 0.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

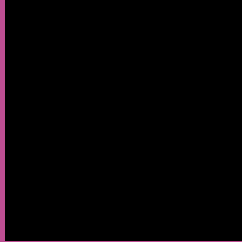
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3429, 0.3780, 0.2399

Background



This preview shows how black text looks on a background with the Yxy color 18.3429, 0.3780, 0.2399.



This preview shows how white text looks on a background with the Yxy color 18.3429, 0.3780, 0.2399.

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

18.3429, 0.3780, 0.2399

Protanopia

18.5270, 0.2390, 0.2287

Deuteranopia

18.4492, 0.2916, 0.2852



Tritanopia

18.3472, 0.4468, 0.3211

Trichromacy



Original Color

18.3429, 0.3780, 0.2399

Protanomaly

17.2864, 0.2783, 0.2283

Deuteranomaly

17.5667, 0.3212, 0.2626

Tritanomaly

18.3096, 0.4226, 0.2907

Monochromacy



Original Color

18.3429, 0.3780, 0.2399

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.4149, 0.3353, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3429, 0.3780, 0.2399 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, 78, 146)` looks like.

```
.text, #text, p{  
    color:rgb(189, 78, 146)  
}
```

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, 78, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 78, 146) }
```

Border

The CSS property to change the border of an element to Yxy 18.3429, 0.3780, 0.2399 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, 78, 146) }
```

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

```
.border{ border-color:rgb(189, 78, 146) }
```

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

Here you see how a box with a 4 pixel rgb(189, 78, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 78, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 78, 146);  
box-shadow:4px 4px 4px 4px rgb(189, 78,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3429, 0.3780, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 78, 146) }
```

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

```
.background{ background-color: rgb(189, 78,  
146) }
```

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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