

Converting Colors

$Y_{xy}(18.3476, 0.3195, 0.1839)$

Have a look what the booklet for
Yxy(18.3476, 0.3195, 0.1839)
contains.

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Color

Yxy(18.3365, 0.3195, 0.1841)

Conversions

Conversions Part 1

Format	Color
Hex	BC43BC
RGB	188, 67, 188
RGB Percent	74%, 26%, 74%
CMY	0.2628, 0.7372, 0.2627
CMYK	0.00, 0.64, 0.00, 0.26
HSL	300°, 47%, 50%
HSV	300°, 64%, 74%
XYZ	31.8224, 18.3365, 49.4418
YIQ	116.9730, 33.2750, 63.2830

Conversions

Conversions Part 2

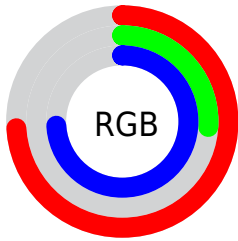
Format	Color
R_{YB}	188, 67, 188
Decimal	12338108
CIE _{Lab}	49.90, 63.13, -40.10
CIE _{LCh}	50, 74.791, 327.577
Yxy	18.3365, 0.3195, 0.1841
Android (android.graphics.Color)	4290528188 (0xFFBC43BC)
YUV	116.9730, 35.0163, 62.2907
Hunter-Lab	42.8211, 57.7149, -38.4822

Details

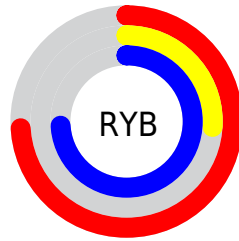
The Yxy color **18.3365, 0.3195, 0.1841** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.5682, 0.3031, 0.5342**, and the grayscale version is **17.6638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5326, 0.3202, 0.2096**, and **6.5465, 0.3155, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **16.4527, 0.3201, 0.1706**, and if you desaturate by 10%, it is **20.9475, 0.3187, 0.2015**.

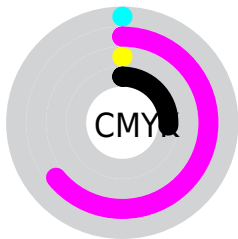
Distribution



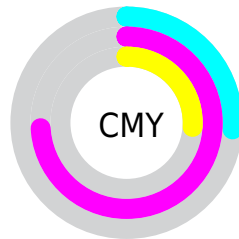
- Red (74%)
- Green (26%)
- Blue (74%)



- Red (74%)
- Yellow (26%)
- Blue (74%)



- Cyan (0%)
- Magenta (64%)
- Yellow (0%)
- Black (26%)




- Cyan (26%)
- Magenta (74%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3365, 0.3195, 0.1841 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 18.3365, 0.3195, 0.1841 by changing the saturation by 10% instead.


 18.3365, 0.3195,
0.1841

 18.3365, 0.3195,
0.1841


242.7609, 0.3193,
0.2566


 11.1918, 0.3183,
0.1666


 40.6099, 0.3203,
0.2101

 6.1960, 0.3159,
0.1448


 56.5074, 0.3204,
0.2200

 2.9646, 0.3112,
0.1173


 76.0913, 0.3203,
0.2285

 1.1133, 0.3016,
0.0827

 99.7461, 0.3201,
0.2357

 0.0000, 0.2930,
0.0000

 127.8560, 0.3199,
0.2420

 0.0000, 0.2167,
0.0000

160.8055, 0.3197,

 0.0000, 0.0000,

0.2475

0.0000

198.9790, 0.3195,
0.2523

■ 18.3365, 0.3195,
0.1841

■ 18.3365, 0.3195,
0.1841

■ 16.4527, 0.3201,
0.1706

■ 20.9475, 0.3187,
0.2015

■ 15.2202, 0.3206,
0.1612

■ 24.3465, 0.3177,
0.2221

■ 14.5515, 0.3208,
0.1560

■ 28.5909, 0.3167,
0.2450

■ 14.3209, 0.3209,
0.1541

■ 33.7321, 0.3155,
0.2693

■ 39.8173, 0.3144,
0.2941

■ 46.8906, 0.3132,
0.3186

■ 54.9930, 0.3121,
0.3422

■ 64.1635, 0.3110,
0.3646

■ 74.4390, 0.3101,
0.3855

Harmonies

Analogous

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



18.3365, 0.2014, 0.1500



18.3365, 0.3195, 0.1841



18.3365, 0.4674, 0.2441

Triad

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



18.3365, 0.3195, 0.1841



18.3365, 0.4850, 0.4937



18.3365, 0.1113, 0.2600

Complementary

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



18.3365, 0.3195, 0.1841



37.5682, 0.3031, 0.5342

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.



18.3365, 0.1598, 0.4200



18.3365, 0.3195, 0.1841



18.3365, 0.3737, 0.5806

Square

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



18.3365, 0.3195, 0.1841



18.3365, 0.5632, 0.3987



18.3365, 0.2567, 0.5740



18.3365, 0.1056, 0.1754

Rectangle

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



18.3365, 0.3195, 0.1841



18.3365, 0.5440, 0.2923



18.3365, 0.2567, 0.5740



18.3365, 0.1219, 0.3053

Sweetspot

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



18.3373, 0.3195, 0.1841



66.4761, 0.3149, 0.2818



9.0844, 0.1899, 0.1275



13.6313, 0.3153, 0.2747



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.



18.3373, 0.3195, 0.1841



28.8117, 0.3203, 0.1664



16.3066, 0.4068, 0.2480



9.6963, 0.3138, 0.3064



9.7498, 0.3209, 0.1541



0.3819, 0.3209, 0.1541

Inverse Universe

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



15.1132, 0.5182, 0.3296



22.5231, 0.5818, 0.3298



38.6557, 0.2717, 0.4370



9.5364, 0.3288, 0.3290



7.2793, 0.6401, 0.3300



0.2851, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 18.3365, 0.3195, 0.1841 looks on a white background.

Color Contrast Check

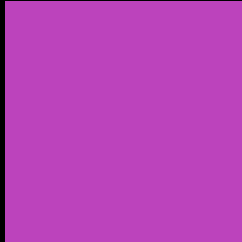
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3365, 0.3195, 0.1841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

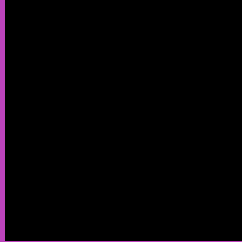
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3365, 0.3195, 0.1841

Background



This preview shows how black text looks on a background with the Yxy color 18.3365, 0.3195, 0.1841.



This preview shows how white text looks on a background with the Yxy color 18.3365, 0.3195, 0.1841.

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

18.3365, 0.3195, 0.1841

Protanopia

18.7730, 0.1832, 0.1559

Deuteranopia

18.7131, 0.2289, 0.2237



Tritanopia

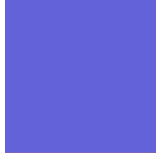
18.3905, 0.4300, 0.3206

Trichromacy



Original Color

18.3365, 0.3195, 0.1841



Protanomaly

16.3978, 0.2077, 0.1546



Deuteranomaly

16.9689, 0.2536, 0.1982



Tritanomaly

17.9517, 0.3889, 0.2622

Monochromacy



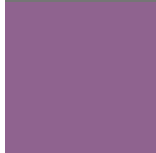
Original Color

18.3365, 0.3195, 0.1841



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.7465, 0.3162, 0.2552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3365, 0.3195, 0.1841 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(188, 67, 188)` looks like.

```
.text, #text, p{  
  color:rgb(188, 67, 188)  
}
```

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(188, 67, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 67, 188) }
```

Border

The CSS property to change the border of an element to Yxy 18.3365, 0.3195, 0.1841 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(188, 67, 188) }
```

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

```
.border{ border-color:rgb(188, 67, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 67, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 67, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 67, 188);  
box-shadow:4px 4px 4px 4px rgb(188, 67,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3365, 0.3195, 0.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 67, 188) }
```

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

```
.background{ background-color: rgb(188, 67,  
188) }
```

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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