

Converting Colors

$Y_{xy}(18.8442, 0.3054, 0.1765)$

Have a look what the booklet for
Yxy(18.8442, 0.3054, 0.1765)
contains.

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Color

Yxy(18.8966, 0.3053, 0.1768)

Conversions

Conversions Part 1

Format	Color
Hex	BA46C6
RGB	186, 70, 198
RGB Percent	73%, 27%, 78%
CMY	0.2706, 0.7254, 0.2235
CMYK	0.06, 0.65, 0.00, 0.22
HSL	294°, 53%, 53%
HSV	294°, 65%, 78%
XYZ	32.6308, 18.8966, 55.3538
YIQ	119.2760, 28.0480, 64.4000

Conversions

Conversions Part 2

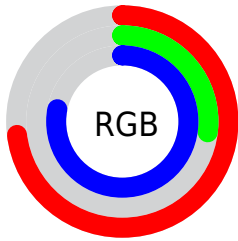
Format	Color
RYB	186, 70, 198
Decimal	12207814
CIELab	50.57, 63.18, -44.85
CIELCh	51, 77.485, 324.630
Yxy	18.8966, 0.3053, 0.1768
Android (android.graphics.Color)	4290397894 (0xFFBA46C6)
YUV	119.2760, 38.8109, 58.5169
Hunter-Lab	43.4702, 57.9178, -45.0691

Details

The Yxy color **18.8966, 0.3053, 0.1768** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **42.6259, 0.3093, 0.5320**, and the grayscale version is **18.4098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5542, 0.3096, 0.2037**, and **6.6503, 0.2969, 0.1409** is the 20% darker color. If you saturate the color by 10%, you get **16.5836, 0.3032, 0.1615**, and if you desaturate by 10%, it is **22.0307, 0.3072, 0.1960**.

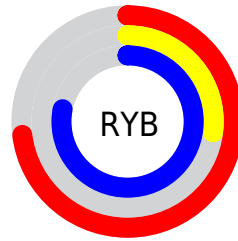
Distribution



Red (73%)

Green (27%)

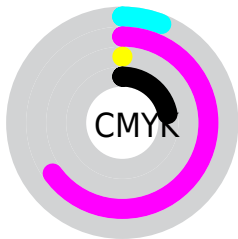
Blue (78%)



Red (73%)

Yellow (27%)

Blue (78%)

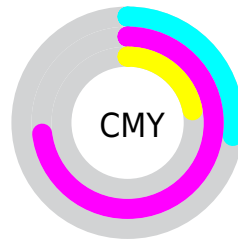


Cyan (6%)

Magenta (65%)

Yellow (0%)

Black (22%)



Cyan (27%)


Magenta (73%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8966, 0.3053, 0.1768 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 18.8966, 0.3053, 0.1768 by changing the saturation by 10% instead.


 18.8966, 0.3053,
0.1768


 18.8966, 0.3053,
0.1768


245.8773, 0.3132,
0.2519


 11.5956, 0.3019,
0.1591

 41.5593, 0.3092,
0.2035


 6.4689, 0.2966,
0.1373

 57.6898, 0.3104,
0.2137


 3.1323, 0.2881,
0.1102


 77.5322, 0.3112,
0.2224

 1.2012, 0.2733,
0.0770

 101.4710, 0.3118,
0.2300

 0.0627, 0.2539,
0.0086

 129.8905, 0.3123,
0.2365

 0.0000, 0.1856,
0.0000

163.1751, 0.3127,

 0.0000, 0.0000,

0.2423

0.0000

201.7093, 0.3129,
0.2474

■ 18.8966, 0.3053,
0.1768

■ 18.8966, 0.3053,
0.1768

■ 16.5836, 0.3032,
0.1615

■ 22.0307, 0.3072,
0.1960

■ 15.0054, 0.3009,
0.1504

■ 26.0558, 0.3088,
0.2181

■ 14.0611, 0.2986,
0.1436

■ 31.0373, 0.3102,
0.2423

■ 13.7110, 0.2973,
0.1411

■ 37.0337, 0.3112,
0.2676

■ 44.0988, 0.3120,
0.2930

■ 52.2826, 0.3125,
0.3178

■ 61.6319, 0.3129,
0.3416

■ 72.1909, 0.3130,
0.3639

■ 84.0016, 0.3131,
0.3846

Harmonies

Analogous

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



18.8966, 0.1901, 0.1453



18.8966, 0.3053, 0.1768



18.8966, 0.4568, 0.2353

Triad

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



18.8966, 0.3053, 0.1768



18.8966, 0.4969, 0.4851



18.8966, 0.1104, 0.2703

Complementary

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



18.8966, 0.3053, 0.1768



42.6259, 0.3093, 0.5320

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.



18.8966, 0.1639, 0.4412



18.8966, 0.3053, 0.1768



18.8966, 0.3846, 0.5790

Square

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



18.8966, 0.3053, 0.1768



18.8966, 0.5722, 0.3893



18.8966, 0.2656, 0.5893



18.8966, 0.1014, 0.1776

Rectangle

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



18.8966, 0.3053, 0.1768



18.8966, 0.5405, 0.2834



18.8966, 0.2656, 0.5893



18.8966, 0.1224, 0.3196

Sweetspot

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



18.8974, 0.3053, 0.1768



72.0357, 0.3117, 0.2812



11.5381, 0.1923, 0.1404



14.6546, 0.3114, 0.2738



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



18.8974, 0.3053, 0.1768



27.9482, 0.3022, 0.1559



18.4887, 0.3905, 0.2349



10.7641, 0.3123, 0.3061



8.9367, 0.2976, 0.1413



0.4383, 0.3028, 0.1442

Inverse Universe

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



16.9978, 0.5015, 0.3157



24.6028, 0.5662, 0.3172



43.0768, 0.2775, 0.4565



10.6528, 0.3275, 0.3269



7.8431, 0.6282, 0.3234



0.3770, 0.5918, 0.3034

Previews

White Background



This preview shows how the Yxy color 18.8966, 0.3053, 0.1768 looks on a white background.

Color Contrast Check

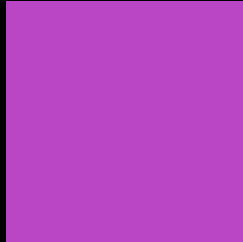
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.8966, 0.3053, 0.1768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

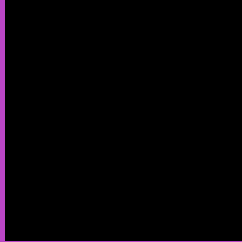
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8966, 0.3053, 0.1768

Background



This preview shows how black text looks on a background with the Yxy color 18.8966, 0.3053, 0.1768.



This preview shows how white text looks on a background with the Yxy color 18.8966, 0.3053, 0.1768.

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

18.8966, 0.3053, 0.1768

Protanopia

19.5170, 0.1782, 0.1501

Deuteranopia

19.2337, 0.2193, 0.2143



Tritanopia

18.7540, 0.4143, 0.3188

Trichromacy



Original Color

18.8966, 0.3053, 0.1768



Protanomaly

16.7842, 0.1976, 0.1472



Deuteranomaly

17.3735, 0.2419, 0.1897



Tritanomaly

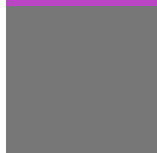
18.3085, 0.3714, 0.2565

Monochromacy



Original Color

18.8966, 0.3053, 0.1768



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.2851, 0.3098, 0.2511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8966, 0.3053, 0.1768 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(186, 70, 198)` looks like.

```
.text, #text, p{  
    color:rgb(186, 70, 198)  
}
```

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(186, 70, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 70, 198) }
```

Border

The CSS property to change the border of an element to Yxy 18.8966, 0.3053, 0.1768 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(186, 70, 198) }
```

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

```
.border{ border-color:rgb(186, 70, 198) }
```

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

Here you see how a box with a 4 pixel rgb(186, 70, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 70, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 70, 198);  
box-shadow:4px 4px 4px 4px rgb(186, 70,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8966, 0.3053, 0.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 70, 198) }
```

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

```
.background{ background-color: rgb(186, 70,  
198) }
```

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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