

Converting Colors

$Y_{xy}(18.7808, 0.3056, 0.2060)$

Have a look what the booklet for
Yxy(18.7808, 0.3056, 0.2060)
contains.

Yxy(18.6839, 0.3060, 0.2060)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.6839, 0.3060, 0.2060)

Conversions

Conversions Part 1

Format	Color
Hex	A859B2
RGB	168, 89, 178
RGB Percent	66%, 35%, 70%
CMY	0.3412, 0.6509, 0.3020
CMYK	0.06, 0.50, 0.00, 0.30
HSL	293°, 37%, 52%
HSV	293°, 50%, 70%
XYZ	27.7538, 18.6839, 44.2609
YIQ	122.7670, 18.5150, 44.4270

Conversions

Conversions Part 2

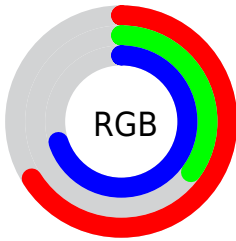
Format	Color
R _Y B	168, 89, 178
Decimal	11033010
CIE Lab	50.32, 45.87, -33.82
CIE LCh	50, 56.991, 323.601
Yxy	18.6839, 0.3060, 0.2060
Android (android.graphics.Color)	4289223090 (0xFFA859B2)
YUV	122.7670, 27.2299, 39.6693
Hunter-Lab	43.2249, 38.9674, -30.4536

Details

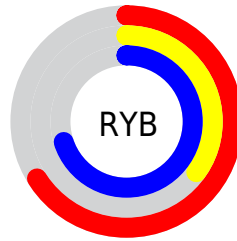
The Yxy color **18.6839, 0.3060, 0.2060** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.2151, 0.3127, 0.4815**, and the grayscale version is **19.6319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2941, 0.3092, 0.2297**, and **6.3812, 0.2996, 0.1692** is the 20% darker color. If you saturate the color by 10%, you get **15.8533, 0.3037, 0.1850**, and if you desaturate by 10%, it is **22.2358, 0.3080, 0.2294**.

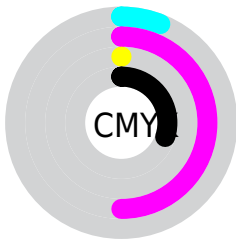
Distribution



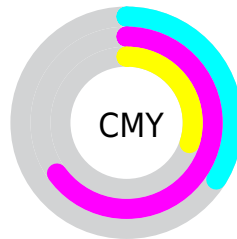
- Red (66%)
- Green (35%)
- Blue (70%)



- Red (66%)
- Yellow (35%)
- Blue (70%)



- Cyan (6%)
- Magenta (50%)
- Yellow (0%)
- Black (30%)





- Cyan (34%)
- Magenta (65%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6839, 0.3060, 0.2060 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 18.6839, 0.3060, 0.2060 by changing the saturation by 10% instead.


 18.6839, 0.3060,
0.2060


 18.6839, 0.3060,
0.2060


244.6981, 0.3121,
0.2695


 11.4421, 0.3034,
0.1899


 41.1993, 0.3090,
0.2294

 6.3650, 0.2992,
0.1692


 57.2416, 0.3099,
0.2381

 3.0683, 0.2922,
0.1422


 76.9863, 0.3105,
0.2454

 1.1675, 0.2794,
0.1061

 100.8177, 0.3110,
0.2517

 0.0349, 0.2673,
0.0078

129.1202, 0.3114,
0.2570

 0.0000, 0.0765,
0.0000

162.2781, 0.3117,

 0.0000, 0.0000,

0.2617

0.0000

200.6760, 0.3119,
0.2659

■ 18.6839, 0.3060,
0.2060

■ 18.6839, 0.3060,
0.2060

■ 15.8533, 0.3037,
0.1850

■ 22.2358, 0.3080,
0.2294

■ 13.6889, 0.3012,
0.1674

■ 26.5536, 0.3096,
0.2543

■ 12.1318, 0.2985,
0.1538


■ 31.6816, 0.3109,
0.2797


■ 11.1118, 0.2957,
0.1445

■ 37.6597, 0.3120,
0.3048

■ 10.4808, 0.2928,
0.1387


■ 44.5252, 0.3127,
0.3290

 10.4802, 0.2928,
0.1387

 52.3133, 0.3132,
0.3520

 61.0572, 0.3136,
0.3734

 70.7884, 0.3137,
0.3931

 81.5371, 0.3137,
0.4111

Harmonies

Analogous

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



18.6839, 0.2151, 0.1798



18.6839, 0.3060, 0.2060



18.6839, 0.4175, 0.2554

Triad

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



18.6839, 0.3060, 0.2060



18.6839, 0.4711, 0.4640



18.6839, 0.1527, 0.2943

Complementary

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



18.6839, 0.3060, 0.2060



35.2151, 0.3127, 0.4815

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.



18.6839, 0.2036, 0.4154



18.6839, 0.3060, 0.2060



18.6839, 0.3867, 0.5222

Square

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



18.6839, 0.3060, 0.2060



18.6839, 0.5186, 0.3902



18.6839, 0.2895, 0.5148



18.6839, 0.1402, 0.2152

Rectangle

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



18.6839, 0.3060, 0.2060



18.6839, 0.4804, 0.2971



18.6839, 0.2895, 0.5148



18.6839, 0.1651, 0.3315

Sweetspot

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



18.6847, 0.3060, 0.2060



62.3876, 0.3115, 0.2916



14.3378, 0.2221, 0.1912



13.3309, 0.3112, 0.2864



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



18.6847, 0.3060, 0.2060



28.2838, 0.3035, 0.1830



18.6221, 0.3638, 0.2513



8.5972, 0.3120, 0.3064



7.5162, 0.2931, 0.1388



0.2502, 0.3014, 0.1434

Inverse Universe

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



17.5133, 0.4349, 0.3149



26.0544, 0.4797, 0.3130



35.3972, 0.2833, 0.4245



8.5203, 0.3270, 0.3265



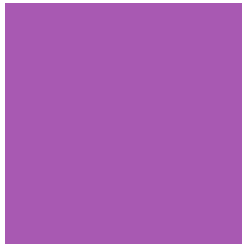
6.8135, 0.6242, 0.3212



0.2194, 0.5717, 0.2923

Previews

White Background



This preview shows how the Yxy color 18.6839, 0.3060, 0.2060 looks on a white background.

Color Contrast Check

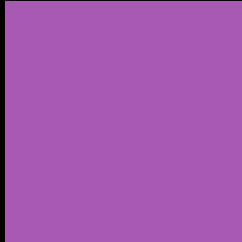
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6839, 0.3060, 0.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

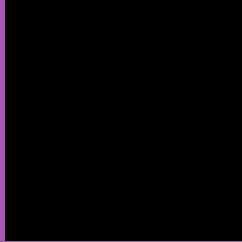
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6839, 0.3060, 0.2060

Background



This preview shows how black text looks on a background with the Yxy color 18.6839, 0.3060, 0.2060.



This preview shows how white text looks on a background with the Yxy color 18.6839, 0.3060, 0.2060.

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

18.6839, 0.3060, 0.2060

Protanopia

18.9192, 0.2106, 0.1915

Deuteranopia

18.9201, 0.2410, 0.2351



Tritanopia

18.6663, 0.3782, 0.3161

Trichromacy



Original Color

18.6839, 0.3060, 0.2060

Protanomaly

18.0553, 0.2360, 0.1931

Deuteranomaly

18.1802, 0.2608, 0.2199

Tritanomaly

18.4112, 0.3498, 0.2698

Monochromacy



Original Color

18.6839, 0.3060, 0.2060

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.8410, 0.3102, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6839, 0.3060, 0.2060 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(168, 89, 178)` looks like.

```
.text, #text, p{  
  color:rgb(168, 89, 178)  
}
```

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(168, 89, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 89, 178) }
```

Border

The CSS property to change the border of an element to Yxy 18.6839, 0.3060, 0.2060 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(168, 89, 178) }
```

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

```
.border{ border-color:rgb(168, 89, 178) }
```

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

Here you see how a box with a 4 pixel rgb(168, 89, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 89, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 89, 178);  
box-shadow:4px 4px 4px 4px rgb(168, 89,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6839, 0.3060, 0.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 89, 178) }
```

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

```
.background{ background-color: rgb(168, 89,  
178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor