

Converting Colors

$Y_{xy}(18.8724, 0.3717, 0.2143)$

Have a look what the booklet for
Yxy(18.8724, 0.3717, 0.2143)
contains.

Yxy(18.8677, 0.3718, 0.2138)	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(18.8677, 0.3718, 0.2138)

Conversions

Conversions Part 1

Format	Color
Hex	CA40A3
RGB	202, 64, 163
RGB Percent	79%, 25%, 64%
CMY	0.2077, 0.7492, 0.3607
CMYK	0.00, 0.68, 0.19, 0.21
HSL	317°, 57%, 52%
HSV	317°, 68%, 79%
XYZ	32.8111, 18.8677, 36.5705
YIQ	116.5480, 50.4690, 60.0450

Conversions

Conversions Part 2

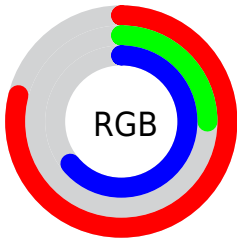
Format	Color
R_{YB}	202, 64, 163
Decimal	13254819
CIE _{Lab}	50.53, 63.97, -24.31
CIE _{LCh}	51, 68.438, 339.191
Yxy	18.8677, 0.3718, 0.2138
Android (android.graphics.Color)	4291444899 (0xFFCA40A3)
YUV	116.5480, 22.9008, 74.9414
Hunter-Lab	43.4370, 58.8193, -19.5116

Details

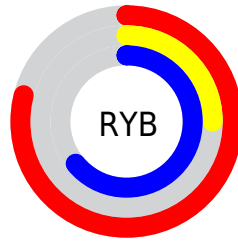
The Yxy color **18.8677, 0.3718, 0.2138** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **44.3284, 0.2853, 0.4923**, and the grayscale version is **17.5536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2410, 0.3538, 0.2340**, and **7.0770, 0.3874, 0.1908** is the 20% darker color. If you saturate the color by 10%, you get **16.7898, 0.3836, 0.2053**, and if you desaturate by 10%, it is **21.7815, 0.3604, 0.2263**.

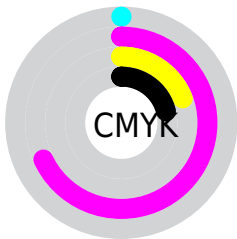
Distribution



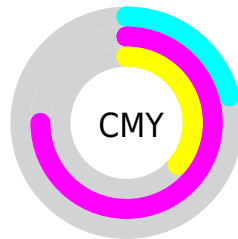
- Red (79%)
- Green (25%)
- Blue (64%)



- Red (79%)
- Yellow (25%)
- Blue (64%)



- Cyan (0%)
- Magenta (68%)
- Yellow (19%)
- Black (21%)




- Cyan (21%)
- Magenta (75%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8677, 0.3718, 0.2138 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 18.8677, 0.3718, 0.2138 by changing the saturation by 10% instead.


 18.8677, 0.3718,
0.2138


 18.8677, 0.3718,
0.2138


245.7174, 0.3410,
0.2734


 11.5747, 0.3798,
0.1985


 41.5104, 0.3604,
0.2358

 6.4548, 0.3901,
0.1789


 57.6290, 0.3561,
0.2440


 3.1236, 0.4040,
0.1529


 77.4581, 0.3526,
0.2508

 1.1966, 0.4233,
0.1174

 101.3823, 0.3496,
0.2567

 0.0589, 0.4767,
0.0149

 129.7860, 0.3470,
0.2617

 0.0000, 0.5031,
0.0000

163.0534, 0.3447,

 0.0000, 0.0000,

0.2661

0.0000

201.5691, 0.3428,
0.2700

■ 18.8677, 0.3718,
0.2138

■ 18.8677, 0.3718,
0.2138

■ 16.7898, 0.3836,
0.2053

■ 21.7815, 0.3604,
0.2263

■ 15.4509, 0.3954,
0.2015

■ 25.6086, 0.3497,
0.2418

■ 14.7068, 0.4068,
0.2022

■ 30.4206, 0.3400,
0.2592

■ 14.6052, 0.4087,
0.2025

■ 36.2813, 0.3314,
0.2776

■ 43.2491, 0.3239,
0.2962

■ 51.3779, 0.3174,
0.3144

■ 60.7184, 0.3119,
0.3318

■ 71.3179, 0.3072,
0.3482

■ 83.2214, 0.3033,
0.3635

Harmonies

Analogous

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



18.8677, 0.2475, 0.1708



18.8677, 0.3718, 0.2138



18.8677, 0.4981, 0.2778

Triad

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



18.8677, 0.3718, 0.2138



18.8677, 0.4402, 0.5204



18.8677, 0.1181, 0.2295

Complementary

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



18.8677, 0.3718, 0.2138



44.3284, 0.2853, 0.4923

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.



18.8677, 0.1487, 0.3502



18.8677, 0.3718, 0.2138



18.8677, 0.3324, 0.5710

Square

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



18.8677, 0.3718, 0.2138



18.8677, 0.5258, 0.4334



18.8677, 0.2253, 0.5054



18.8677, 0.1247, 0.1711

Rectangle

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



18.8677, 0.3718, 0.2138



18.8677, 0.5471, 0.3263



18.8677, 0.2253, 0.5054



18.8677, 0.1236, 0.2622

Sweetspot

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



18.8686, 0.3718, 0.2138



69.5267, 0.3260, 0.2908



10.6812, 0.2085, 0.1249



14.1677, 0.3280, 0.2856



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.



18.8686, 0.3718, 0.2138



27.1875, 0.3892, 0.2029



17.0714, 0.4857, 0.2928



11.3476, 0.3180, 0.3125



9.4097, 0.4073, 0.2017



0.4980, 0.3866, 0.1904

Inverse Universe

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



18.8686, 0.3718, 0.2138



27.1875, 0.3892, 0.2029



46.2451, 0.2499, 0.3791



11.3476, 0.3180, 0.3125



9.4097, 0.4073, 0.2017



0.4980, 0.3866, 0.1904

Previews

White Background



This preview shows how the Yxy color 18.8677, 0.3718, 0.2138 looks on a white background.

Color Contrast Check

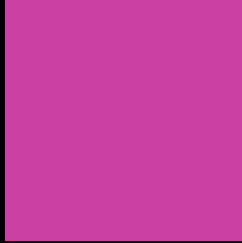
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8677, 0.3718, 0.2138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

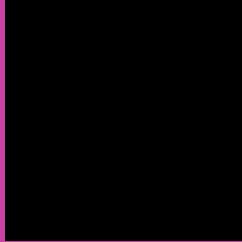
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8677, 0.3718, 0.2138

Background



This preview shows how black text looks on a background with the Yxy color 18.8677, 0.3718, 0.2138.



This preview shows how white text looks on a background with the Yxy color 18.8677, 0.3718, 0.2138.

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

18.8677, 0.3718, 0.2138

Protanopia

19.2521, 0.2089, 0.1898

Deuteranopia

19.2050, 0.2702, 0.2650



Tritanopia

18.8373, 0.4735, 0.3232

Trichromacy



Original Color

18.8677, 0.3718, 0.2138



Protanomaly

16.8887, 0.2475, 0.1877



Deuteranomaly

17.5953, 0.3030, 0.2352



Tritanomaly

18.5979, 0.4375, 0.2791

Monochromacy



Original Color

18.8677, 0.3718, 0.2138



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.7525, 0.3351, 0.2688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8677, 0.3718, 0.2138 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(202, 64, 163)` looks like.

```
.text, #text, p{  
    color:rgb(202, 64, 163)  
}
```

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(202, 64, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 64, 163) }
```

Border

The CSS property to change the border of an element to Yxy 18.8677, 0.3718, 0.2138 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(202, 64, 163) }
```

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

```
.border{ border-color:rgb(202, 64, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 64, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 64, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 64, 163);  
box-shadow:4px 4px 4px 4px rgb(202, 64,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8677, 0.3718, 0.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 64, 163) }
```

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

```
.background{ background-color: rgb(202, 64,  
163) }
```

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