

Converting Colors

$Y_{xy}(18.7900, 0.3770, 0.2184)$

Have a look what the booklet for
Yxy(18.7900, 0.3770, 0.2184)
contains.

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Color

Yxy(18.8404, 0.3777, 0.2189)

Conversions

Conversions Part 1

Format	Color
Hex	CA419F
RGB	202, 65, 159
RGB Percent	79%, 25%, 62%
CMY	0.2078, 0.7451, 0.3765
CMYK	0.00, 0.68, 0.21, 0.21
HSL	319°, 56%, 52%
HSV	319°, 68%, 79%
XYZ	32.5081, 18.8404, 34.7200
YIQ	116.6790, 51.4780, 58.2780

Conversions

Conversions Part 2

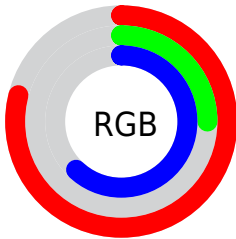
Format	Color
R_{YB}	202, 65, 159
Decimal	13255071
CIE _{Lab}	50.50, 63.03, -21.98
CIE _{LCh}	50, 66.752, 340.773
Yxy	18.8404, 0.3777, 0.2189
Android (android.graphics.Color)	4291445151 (0xFFCA419F)
YUV	116.6790, 20.8643, 74.8265
Hunter-Lab	43.4055, 57.7259, -17.0421

Details

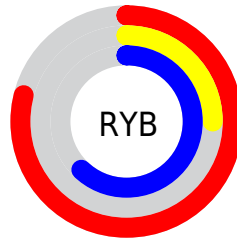
The Yxy color **18.8404, 0.3777, 0.2189** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **44.4554, 0.2831, 0.4839**, and the grayscale version is **17.6065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0341, 0.3580, 0.2375**, and **6.9908, 0.3970, 0.1960** is the 20% darker color. If you saturate the color by 10%, you get **16.7079, 0.3911, 0.2107**, and if you desaturate by 10%, it is **21.8151, 0.3649, 0.2311**.

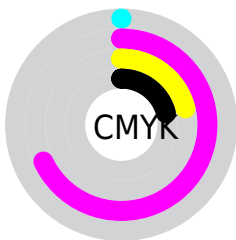
Distribution



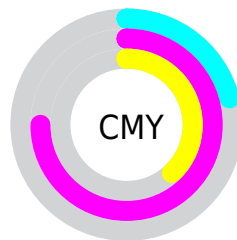
- Red (79%)
- Green (25%)
- Blue (62%)



- Red (79%)
- Yellow (25%)
- Blue (62%)



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




- Cyan (21%)
- Magenta (75%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8404, 0.3777, 0.2189 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 18.8404, 0.3777, 0.2189 by changing the saturation by 10% instead.

 18.8404, 0.3777,
0.2189


 18.8404, 0.3777,
0.2189


245.5663, 0.3433,
0.2763


 11.5550, 0.3869,
0.2041


 41.4642, 0.3648,
0.2402


 6.4415, 0.3989,
0.1848


 57.5715, 0.3600,
0.2481

 3.1153, 0.4154,
0.1591


 77.3881, 0.3561,
0.2547

 1.1922, 0.4391,
0.1236

 101.2986, 0.3527,
0.2603

 0.0553, 0.5048,
0.0152

 129.6872, 0.3499,
0.2651

 0.0000, 0.5791,
0.0000

162.9384, 0.3474,

 0.0000, 0.0000,

0.2693

0.0000

201.4367, 0.3452,
0.2730

■ 18.8404, 0.3777,
0.2189

■ 18.8404, 0.3777,
0.2189

■ 16.7079, 0.3911,
0.2107

■ 21.8151, 0.3649,
0.2311

■ 15.3215, 0.4046,
0.2072

■ 25.7088, 0.3529,
0.2461

■ 14.5464, 0.4178,
0.2085

■ 30.5927, 0.3422,
0.2630

■ 14.4108, 0.4206,
0.2091

■ 36.5303, 0.3327,
0.2807

■ 43.5798, 0.3245,
0.2985

■ 51.7950, 0.3175,
0.3159

■ 61.2262, 0.3115,
0.3325

■ 71.9209, 0.3065,
0.3481

■ 83.9238, 0.3023,
0.3626

Harmonies

Analogous

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



18.8404, 0.2545, 0.1751



18.8404, 0.3777, 0.2189



18.8404, 0.4990, 0.2830

Triad

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



18.8404, 0.3777, 0.2189



18.8404, 0.4338, 0.5216



18.8404, 0.1209, 0.2276

Complementary

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



18.8404, 0.3777, 0.2189



44.4554, 0.2831, 0.4839

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.



18.8404, 0.1493, 0.3424



18.8404, 0.3777, 0.2189



18.8404, 0.3274, 0.5651

Square

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



18.8404, 0.3777, 0.2189



18.8404, 0.5190, 0.4375



18.8404, 0.2227, 0.4935



18.8404, 0.1290, 0.1724

Rectangle

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



18.8404, 0.3777, 0.2189



18.8404, 0.5440, 0.3312



18.8404, 0.2227, 0.4935



18.8404, 0.1258, 0.2586

Sweetspot

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



18.8414, 0.3777, 0.2189



70.6769, 0.3264, 0.2942



11.1148, 0.2135, 0.1282



14.3869, 0.3287, 0.2891



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.



18.8414, 0.3777, 0.2189



27.1349, 0.3969, 0.2086



17.1181, 0.4917, 0.2985



11.3414, 0.3185, 0.3132



9.2882, 0.4189, 0.2082



0.4925, 0.3953, 0.1951

Inverse Universe

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



18.8414, 0.3777, 0.2189



27.1349, 0.3969, 0.2086



46.4523, 0.2477, 0.3712



11.3414, 0.3185, 0.3132



9.2882, 0.4189, 0.2082



0.4925, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 18.8404, 0.3777, 0.2189 looks on a white background.

Color Contrast Check

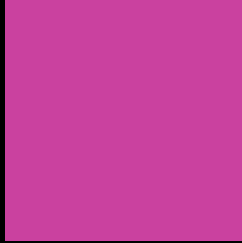
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8404, 0.3777, 0.2189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

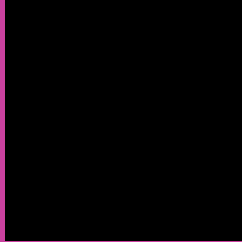
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8404, 0.3777, 0.2189

Background



This preview shows how black text looks on a background with the Yxy color 18.8404, 0.3777, 0.2189.



This preview shows how white text looks on a background with the Yxy color 18.8404, 0.3777, 0.2189.

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

18.8404, 0.3777, 0.2189

Protanopia

19.2001, 0.2138, 0.1959

Deuteranopia

18.9731, 0.2760, 0.2699



Tritanopia

18.8146, 0.4754, 0.3220

Trichromacy



Original Color

18.8404, 0.3777, 0.2189



Protanomaly

17.1360, 0.2540, 0.1945



Deuteranomaly

17.5527, 0.3090, 0.2410



Tritanomaly

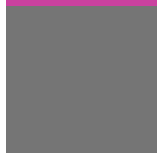
18.5513, 0.4409, 0.2817

Monochromacy



Original Color

18.8404, 0.3777, 0.2189



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.6972, 0.3379, 0.2719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8404, 0.3777, 0.2189 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, 65, 159)` looks like.

```
.text, #text, p{  
    color:rgb(202, 65, 159)  
}
```

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, 65, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 65, 159) }
```

Border

The CSS property to change the border of an element to Yxy 18.8404, 0.3777, 0.2189 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, 65, 159) }
```

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

```
.border{ border-color:rgb(202, 65, 159) }
```

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

Here you see how a box with a 4 pixel rgb(202, 65, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 65, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 65, 159);  
box-shadow:4px 4px 4px 4px rgb(202, 65,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8404, 0.3777, 0.2189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 65, 159) }
```

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

```
.background{ background-color: rgb(202, 65,  
159) }
```

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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