

Converting Colors

$Y_{xy}(19.8182, 0.3817, 0.2581)$

Have a look what the booklet for
Yxy(19.8182, 0.3817, 0.2581)
contains.

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Color

Yxy(19.8867, 0.3827, 0.2591)

Conversions

Conversions Part 1

Format	Color
Hex	BD598D
RGB	189, 89, 141
RGB Percent	74%, 35%, 55%
CMY	0.2587, 0.6511, 0.4470
CMYK	0.00, 0.53, 0.25, 0.26
HSL	329°, 43%, 55%
HSV	329°, 53%, 74%
XYZ	29.3734, 19.8867, 27.4929
YIQ	124.8280, 42.9080, 37.3720

Conversions

Conversions Part 2

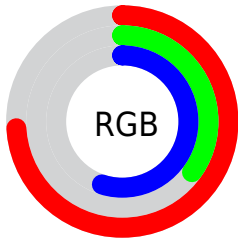
Format	Color
R_{YB}	189, 89, 141
Decimal	12409229
CIE _{Lab}	51.71, 46.20, -9.67
CIE _{LCh}	52, 47.198, 348.176
Yxy	19.8867, 0.3827, 0.2591
Android (android.graphics.Color)	4290599309 (0xFFBD598D)
YUV	124.8280, 7.9728, 56.2788
Hunter-Lab	44.5945, 39.5334, -5.3367

Details

The Yxy color **19.8867, 0.3827, 0.2591** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **40.3395, 0.2761, 0.4149**, and the grayscale version is **20.4083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0603, 0.3667, 0.2728**, and **7.0036, 0.4091, 0.2350** is the 20% darker color. If you saturate the color by 10%, you get **16.8771, 0.4031, 0.2487**, and if you desaturate by 10%, it is **23.7280, 0.3646, 0.2716**.

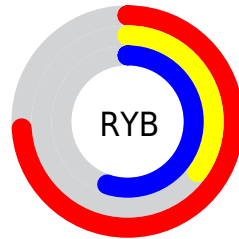
Distribution



Red (74%)

Green (35%)

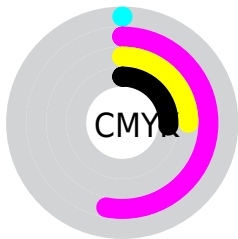
Blue (55%)



Red (74%)

Yellow (35%)

Blue (55%)

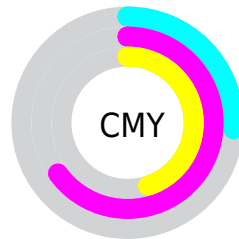


Cyan (0%)

Magenta (53%)

Yellow (25%)

Black (26%)



Cyan (26%)


Magenta (65%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8867, 0.3827, 0.2591 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 19.8867, 0.3827, 0.2591 by changing the saturation by 10% instead.


 19.8867, 0.3827,
0.2591


 19.8867, 0.3827,
0.2591


251.3011, 0.3439,
0.2970


 12.3127, 0.3939,
0.2486


 43.2271, 0.3675,
0.2736


 6.9570, 0.4093,
0.2344


 59.7624, 0.3622,
0.2789

 3.4352, 0.4316,
0.2144

 80.0535, 0.3578,
0.2832

 1.3630, 0.4670,
0.1842

 104.4849, 0.3541,
0.2868

 0.1892, 0.5663,
0.0766

133.4410, 0.3509,
0.2899

 0.0000, 1.0000,
0.0000

167.3061, 0.3482,

 0.0000, 0.0000,

0.2926

0.0000

206.4647, 0.3459,
0.2950

■ 19.8867, 0.3827,
0.2591

■ 19.8867, 0.3827,
0.2591

■ 16.8771, 0.4031,
0.2487

■ 23.7280, 0.3646,
0.2716

■ 14.6325, 0.4253,
0.2417

■ 28.4551, 0.3489,
0.2851

■ 13.0809, 0.4486,
0.2391

■ 34.1207, 0.3356,
0.2989

■ 12.1347, 0.4717,
0.2417

■ 40.7729, 0.3244,
0.3124

■ 11.7109, 0.4878,
0.2461

■ 48.4561, 0.3151,
0.3254

■ 57.2122, 0.3074,
0.3375

■ 67.0807, 0.3010,
0.3488

■ 78.0992, 0.2957,
0.3592

■ 87.6533, 0.2912,
0.3645

Harmonies

Analogous

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



19.8867, 0.2929, 0.2190



19.8867, 0.3827, 0.2591



19.8867, 0.4581, 0.3139

Triad

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



19.8867, 0.3827, 0.2591



19.8867, 0.3935, 0.4835



19.8867, 0.1657, 0.2454

Complementary

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



19.8867, 0.3827, 0.2591



40.3395, 0.2761, 0.4149

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.



19.8867, 0.1840, 0.3194



19.8867, 0.3827, 0.2591



19.8867, 0.3122, 0.4829

Square

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



19.8867, 0.3827, 0.2591



19.8867, 0.4580, 0.4370



19.8867, 0.2355, 0.4155



19.8867, 0.1782, 0.2075

Rectangle

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



19.8867, 0.3827, 0.2591



19.8867, 0.4825, 0.3545



19.8867, 0.2355, 0.4155



19.8867, 0.1682, 0.2661

Sweetspot

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



19.8877, 0.3827, 0.2591



68.8331, 0.3279, 0.3080



16.0234, 0.2570, 0.1802



14.2708, 0.3302, 0.3052



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.



19.8877, 0.3827, 0.2591



29.2641, 0.4076, 0.2469



18.7425, 0.4597, 0.3250



9.6170, 0.3209, 0.3171



7.8917, 0.4851, 0.2446



0.3223, 0.4355, 0.2173

Inverse Universe

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



19.8877, 0.3827, 0.2591



29.2641, 0.4076, 0.2469



42.0657, 0.2473, 0.3339



9.6170, 0.3209, 0.3171



7.8917, 0.4851, 0.2446



0.3223, 0.4355, 0.2173

Previews

White Background



This preview shows how the Yxy color 19.8867, 0.3827, 0.2591 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 19.8867, 0.3827, 0.2591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

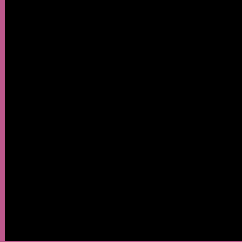
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8867, 0.3827, 0.2591

Background



This preview shows how black text looks on a background with the Yxy color 19.8867, 0.3827, 0.2591.



This preview shows how white text looks on a background with the Yxy color 19.8867, 0.3827, 0.2591.

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

19.8867, 0.3827, 0.2591

Protanopia

20.0441, 0.2598, 0.2560

Deuteranopia

19.9563, 0.3068, 0.3006



Tritanopia

19.9880, 0.4321, 0.3196

Trichromacy



Original Color

19.8867, 0.3827, 0.2591

Protanomaly

19.1276, 0.2966, 0.2534

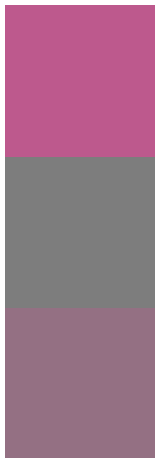
Deuteranomaly

19.3516, 0.3319, 0.2815

Tritanomaly

19.8546, 0.4150, 0.2974

Monochromacy



Original Color

19.8867, 0.3827, 0.2591

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.5229, 0.3364, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8867, 0.3827, 0.2591 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(189, 89, 141)` looks like.

```
.text, #text, p{  
    color:rgb(189, 89, 141)  
}
```

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(189, 89, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 89, 141) }
```

Border

The CSS property to change the border of an element to Yxy 19.8867, 0.3827, 0.2591 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(189, 89, 141) }
```

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

```
.border{ border-color:rgb(189, 89, 141) }
```

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

Here you see how a box with a 4 pixel rgb(189, 89, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 89, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 89, 141);  
box-shadow:4px 4px 4px 4px rgb(189, 89,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8867, 0.3827, 0.2591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 89, 141) }
```

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

```
.background{ background-color: rgb(189, 89,  
141) }
```

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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