

Converting Colors

$Y_{xy}(19.3703, 0.3421, 0.2089)$

Have a look what the booklet for
Yxy(19.3703, 0.3421, 0.2089)
contains.

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Color

Yxy(19.4013, 0.3418, 0.2093)

Conversions

Conversions Part 1

Format	Color
Hex	BF4DAD
RGB	191, 77, 173
RGB Percent	75%, 30%, 68%
CMY	0.2510, 0.6980, 0.3216
CMYK	0.00, 0.60, 0.09, 0.25
HSL	309°, 47%, 53%
HSV	309°, 60%, 75%
XYZ	31.6835, 19.4013, 41.6113
YIQ	122.0300, 37.1280, 54.0240

Conversions

Conversions Part 2

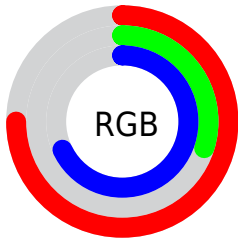
Format	Color
R_{YB}	191, 77, 173
Decimal	12537261
CIE _{Lab}	51.15, 57.23, -29.36
CIE _{LCh}	51, 64.320, 332.845
Yxy	19.4013, 0.3418, 0.2093
Android (android.graphics.Color)	4290727341 (0xFFBF4DAD)
YUV	122.0300, 25.1282, 60.4867
Hunter-Lab	44.0469, 51.3154, -25.1787

Details

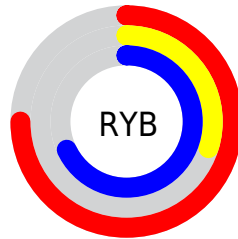
The Yxy color **19.4013, 0.3418, 0.2093** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.6679, 0.2946, 0.4918**, and the grayscale version is **19.3804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4837, 0.3371, 0.2317**, and **6.6637, 0.3478, 0.1737** is the 20% darker color. If you saturate the color by 10%, you get **16.9949, 0.3479, 0.1954**, and if you desaturate by 10%, it is **22.5967, 0.3359, 0.2264**.

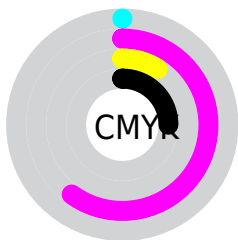
Distribution



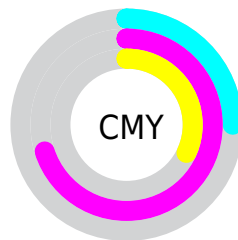
- Red (75%)
- Green (30%)
- Blue (68%)



- Red (75%)
- Yellow (30%)
- Blue (68%)



- Cyan (0%)
- Magenta (60%)
- Yellow (9%)
- Black (25%)




- Cyan (25%)
- Magenta (70%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4013, 0.3418, 0.2093 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 19.4013, 0.3418, 0.2093 by changing the saturation by 10% instead.


 19.4013, 0.3418,
0.2093

 19.4013, 0.3418,
0.2093


248.6553, 0.3281,
0.2707

 11.9606, 0.3448,
0.1938


 42.4111, 0.3371,
0.2318

 6.7169, 0.3482,
0.1740


 58.7490, 0.3353,
0.2402


 3.2857, 0.3520,
0.1481


 78.8214, 0.3337,
0.2473

 1.2826, 0.3554,
0.1133

 103.0128, 0.3323,
0.2533

 0.1277, 0.3707,
0.0276

 131.7075, 0.3310,
0.2585

 0.0000, 0.3210,
0.0000

165.2898, 0.3300,

 0.0000, 0.0000,

0.2631

0.0000

204.1443, 0.3290,
0.2671

■ 19.4013, 0.3418,
0.2093

■ 19.4013, 0.3418,
0.2093

■ 16.9949, 0.3479,
0.1954

■ 22.5967, 0.3359,
0.2264

■ 15.3039, 0.3539,
0.1856

■ 26.6408, 0.3303,
0.2459

■ 14.2455, 0.3597,
0.1803

■ 31.5906, 0.3251,
0.2667

■ 13.6611, 0.3653,
0.1787

■ 37.4974, 0.3204,
0.2880

■ 13.6447, 0.3655,
0.1787

■ 44.4087, 0.3162,
0.3092

■ 52.3688, 0.3126,
0.3296

■ 61.4193, 0.3095,
0.3490

■ 71.5997, 0.3068,
0.3672

■ 82.9473, 0.3045,
0.3840

Harmonies

Analogous

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



19.4013, 0.2316, 0.1732



19.4013, 0.3418, 0.2093



19.4013, 0.4643, 0.2677

Triad

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



19.4013, 0.3418, 0.2093



19.4013, 0.4562, 0.4962



19.4013, 0.1308, 0.2557

Complementary

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



19.4013, 0.3418, 0.2093



39.6679, 0.2946, 0.4918

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.



19.4013, 0.1703, 0.3804



19.4013, 0.3418, 0.2093



19.4013, 0.3569, 0.5520

Square

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



19.4013, 0.3418, 0.2093



19.4013, 0.5268, 0.4148



19.4013, 0.2525, 0.5145



19.4013, 0.1296, 0.1879

Rectangle

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



19.4013, 0.3418, 0.2093



19.4013, 0.5215, 0.3137



19.4013, 0.2525, 0.5145



19.4013, 0.1392, 0.2912

Sweetspot

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



19.4022, 0.3418, 0.2093



68.7783, 0.3198, 0.2910



11.4549, 0.2118, 0.1454



14.3620, 0.3211, 0.2847



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



19.4022, 0.3418, 0.2093



29.2524, 0.3500, 0.1916



17.6670, 0.4287, 0.2770



9.6697, 0.3161, 0.3099



8.9764, 0.3648, 0.1783



0.3587, 0.3527, 0.1716

Inverse Universe

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



19.4022, 0.3418, 0.2093



29.2524, 0.3500, 0.1916



41.0794, 0.2619, 0.3943



9.6697, 0.3161, 0.3099



8.9764, 0.3648, 0.1783



0.3587, 0.3527, 0.1716

Previews

White Background



This preview shows how the Yxy color 19.4013, 0.3418, 0.2093 looks on a white background.

Color Contrast Check

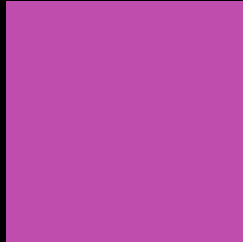
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4013, 0.3418, 0.2093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

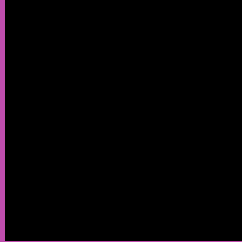
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4013, 0.3418, 0.2093

Background



This preview shows how black text looks on a background with the Yxy color 19.4013, 0.3418, 0.2093.



This preview shows how white text looks on a background with the Yxy color 19.4013, 0.3418, 0.2093.

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

19.4013, 0.3418, 0.2093

Protanopia

19.9212, 0.2088, 0.1901

Deuteranopia

19.7429, 0.2560, 0.2508



Tritanopia

19.3923, 0.4320, 0.3209

Trichromacy



Original Color

19.4013, 0.3418, 0.2093



Protanomaly

18.0971, 0.2412, 0.1891



Deuteranomaly

18.4567, 0.2815, 0.2273



Tritanomaly

19.1424, 0.3987, 0.2754

Monochromacy



Original Color

19.4013, 0.3418, 0.2093



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.4342, 0.3233, 0.2710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4013, 0.3418, 0.2093 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(191, 77, 173)` looks like.

```
.text, #text, p{  
  color:rgb(191, 77, 173)  
}
```

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(191, 77, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 77, 173) }
```

Border

The CSS property to change the border of an element to Yxy 19.4013, 0.3418, 0.2093 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(191, 77, 173) }
```

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

```
.border{ border-color:rgb(191, 77, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 77, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 77, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 77, 173);  
box-shadow:4px 4px 4px 4px rgb(191, 77,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4013, 0.3418, 0.2093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 77, 173) }
```

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

```
.background{ background-color: rgb(191, 77,  
173) }
```

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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