

Converting Colors

$Y_{xy}(19.0686, 0.3208, 0.1919)$

Have a look what the booklet for
Yxy(19.0686, 0.3208, 0.1919)
contains.

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Color

Yxy(19.0075, 0.3204, 0.1915)

Conversions

Conversions Part 1

Format	Color
Hex	BB4ABA
RGB	187, 74, 186
RGB Percent	73%, 29%, 73%
CMY	0.2667, 0.7097, 0.2706
CMYK	0.00, 0.60, 0.01, 0.27
HSL	301°, 45%, 51%
HSV	301°, 60%, 73%
XYZ	31.8016, 19.0075, 48.4468
YIQ	120.5550, 31.3960, 58.7880

Conversions

Conversions Part 2

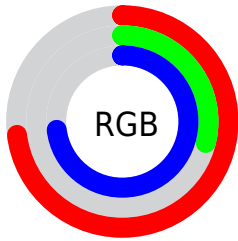
Format	Color
R _{YB}	187, 74, 186
Decimal	12274362
CIE _{Lab}	50.70, 59.63, -37.69
CIE _{LCh}	51, 70.546, 327.704
Yxy	19.0075, 0.3204, 0.1915
Android (android.graphics.Color)	4290464442 (0xFFBB4ABA)
YUV	120.5550, 32.2644, 58.2723
Hunter-Lab	43.5976, 53.9083, -35.3663

Details

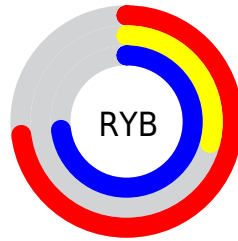
The Yxy color **19.0075, 0.3204, 0.1915** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.4976, 0.3032, 0.5201**, and the grayscale version is **18.8590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7644, 0.3208, 0.2160**, and **6.5564, 0.3190, 0.1543** is the 20% darker color. If you saturate the color by 10%, you get **16.8641, 0.3214, 0.1764**, and if you desaturate by 10%, it is **21.8945, 0.3193, 0.2102**.

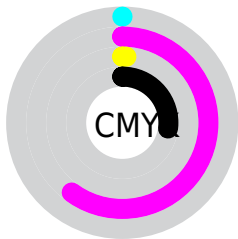
Distribution



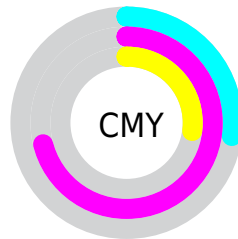
- Red (73%)
- Green (29%)
- Blue (73%)



- Red (73%)
- Yellow (29%)
- Blue (73%)



- Cyan (0%)
- Magenta (60%)
- Yellow (1%)
- Black (27%)




- Cyan (27%)
- Magenta (71%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0075, 0.3204, 0.1915 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 19.0075, 0.3204, 0.1915 by changing the saturation by 10% instead.


 19.0075, 0.3204,
0.1915


 19.0075, 0.3204,
0.1915


246.4902, 0.3194,
0.2607


 11.6757, 0.3196,
0.1746


 41.7468, 0.3208,
0.2165


 6.5233, 0.3177,
0.1535


 57.9230, 0.3207,
0.2259


 3.1658, 0.3139,
0.1265


 77.8162, 0.3205,
0.2339

 1.2189, 0.3058,
0.0919

 101.8108, 0.3203,
0.2408

 0.0770, 0.2983,
0.0133

 130.2910, 0.3201,
0.2468

 0.0000, 0.2269,
0.0000

163.6414, 0.3198,

 0.0000, 0.0000,

0.2520

0.0000

202.2463, 0.3196,
0.2566

■ 19.0075, 0.3204,
0.1915

■ 19.0075, 0.3204,
0.1915

■ 16.8641, 0.3214,
0.1764

■ 21.8945, 0.3193,
0.2102

■ 15.3939, 0.3221,
0.1655

■ 25.5822, 0.3180,
0.2317

■ 14.5173, 0.3227,
0.1587

■ 30.1251, 0.3167,
0.2551

■ 14.0803, 0.3231,
0.1554

■ 35.5722, 0.3154,
0.2795

■ 41.9686, 0.3140,
0.3040

■ 49.3567, 0.3128,
0.3280

■ 57.7762, 0.3116,
0.3510

■ 67.2645, 0.3104,
0.3726

■ 77.8574, 0.3094,
0.3927

Harmonies

Analogous

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



19.0075, 0.2081, 0.1583



19.0075, 0.3204, 0.1915



19.0075, 0.4581, 0.2496

Triad

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



19.0075, 0.3204, 0.1915



19.0075, 0.4793, 0.4897



19.0075, 0.1210, 0.2654

Complementary

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



19.0075, 0.3204, 0.1915



37.4976, 0.3032, 0.5201

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.



19.0075, 0.1690, 0.4134



19.0075, 0.3204, 0.1915



19.0075, 0.3745, 0.5667

Square

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



19.0075, 0.3204, 0.1915



19.0075, 0.5509, 0.4005



19.0075, 0.2623, 0.5543



19.0075, 0.1147, 0.1839

Rectangle

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



19.0075, 0.3204, 0.1915



19.0075, 0.5295, 0.2966



19.0075, 0.2623, 0.5543



19.0075, 0.1317, 0.3080

Sweetspot

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



19.0084, 0.3204, 0.1915



66.0082, 0.3151, 0.2847



9.9446, 0.1968, 0.1374



13.8458, 0.3155, 0.2775



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.



19.0084, 0.3204, 0.1915



29.3702, 0.3216, 0.1730



17.0884, 0.4014, 0.2541



9.6948, 0.3139, 0.3066



9.7042, 0.3231, 0.1553



0.3806, 0.3225, 0.1550

Inverse Universe

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



19.0084, 0.3204, 0.1915



29.3702, 0.3216, 0.1730



38.6148, 0.2718, 0.4256



9.6948, 0.3139, 0.3066



9.7042, 0.3231, 0.1553



0.3806, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 19.0075, 0.3204, 0.1915 looks on a white background.

Color Contrast Check

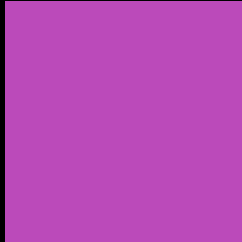
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0075, 0.3204, 0.1915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

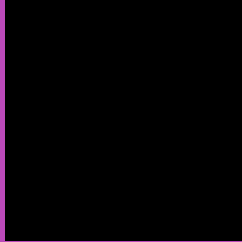
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0075, 0.3204, 0.1915

Background



This preview shows how black text looks on a background with the Yxy color 19.0075, 0.3204, 0.1915.



This preview shows how white text looks on a background with the Yxy color 19.0075, 0.3204, 0.1915.

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

19.0075, 0.3204, 0.1915

Protanopia

19.5717, 0.1921, 0.1680

Deuteranopia

19.1887, 0.2353, 0.2294



Tritanopia

18.8960, 0.4205, 0.3190

Trichromacy



Original Color

19.0075, 0.3204, 0.1915



Protanomaly

17.4571, 0.2192, 0.1677



Deuteranomaly

17.7825, 0.2600, 0.2064



Tritanomaly

18.6897, 0.3827, 0.2656

Monochromacy



Original Color

19.0075, 0.3204, 0.1915



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

17.9647, 0.3159, 0.2611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0075, 0.3204, 0.1915 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(187, 74, 186)` looks like.

```
.text, #text, p{  
    color:rgb(187, 74, 186)  
}
```

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(187, 74, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 74, 186) }
```

Border

The CSS property to change the border of an element to Yxy 19.0075, 0.3204, 0.1915 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(187, 74, 186) }
```

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

```
.border{ border-color:rgb(187, 74, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 74, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 74, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 74, 186);  
box-shadow:4px 4px 4px 4px rgb(187, 74,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0075, 0.3204, 0.1915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 74, 186) }
```

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

```
.background{ background-color: rgb(187, 74,  
186) }
```

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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