

Converting Colors

$Yxy(18.5067, 0.3421, 0.2058)$

Have a look what the booklet for
Yxy(18.5067, 0.3421, 0.2058)
contains.

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Color

Yxy(18.5242, 0.3424, 0.2064)

Conversions

Conversions Part 1

Format	Color
Hex	BD49AB
RGB	189, 73, 171
RGB Percent	74%, 29%, 67%
CMY	0.2586, 0.7139, 0.3293
CMYK	0.00, 0.61, 0.10, 0.26
HSL	309°, 47%, 51%
HSV	309°, 61%, 74%
XYZ	30.7301, 18.5242, 40.4948
YIQ	118.8560, 37.6780, 55.0700

Conversions

Conversions Part 2

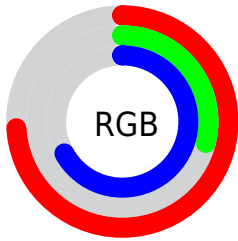
Format	Color
R_{YB}	189, 73, 171
Decimal	12405163
CIE _{Lab}	50.13, 58.15, -29.82
CIE _{LCh}	50, 65.346, 332.851
Yxy	18.5242, 0.3424, 0.2064
Android (android.graphics.Color)	4290595243 (0xFFBD49AB)
YUV	118.8560, 25.7070, 61.5163
Hunter-Lab	43.0397, 52.1281, -25.6563

Details

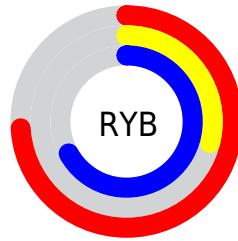
The Yxy color **18.5242, 0.3424, 0.2064** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.5860, 0.2945, 0.4975**, and the grayscale version is **18.3044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9409, 0.3375, 0.2292**, and **6.2352, 0.3487, 0.1699** is the 20% darker color. If you saturate the color by 10%, you get **16.2983, 0.3484, 0.1932**, and if you desaturate by 10%, it is **21.5091, 0.3365, 0.2231**.

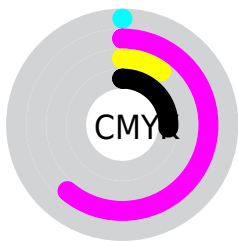
Distribution



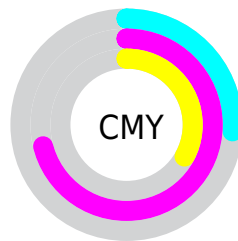
- Red (74%)
- Green (29%)
- Blue (67%)



- Red (74%)
- Yellow (29%)
- Blue (67%)



- Cyan (0%)
- Magenta (61%)
- Yellow (10%)
- Black (26%)




- Cyan (26%)
- Magenta (71%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5242, 0.3424, 0.2064 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 18.5242, 0.3424, 0.2064 by changing the saturation by 10% instead.


 18.5242, 0.3424,
0.2064


 18.5242, 0.3424,
0.2064


243.8093, 0.3284,
0.2695

 11.3270, 0.3454,
0.1904


 40.9285, 0.3376,
0.2296


 6.2872, 0.3489,
0.1700


 56.9045, 0.3357,
0.2382

 3.0205, 0.3526,
0.1432


 76.5754, 0.3341,
0.2455

 1.1424, 0.3559,
0.1074

 100.3258, 0.3327,
0.2517

 0.0139, 0.3767,
0.0033

 128.5400, 0.3314,
0.2571

 0.0000, 0.2984,
0.0000

161.6023, 0.3303,

 0.0000, 0.0000,

0.2617

0.0000

199.8973, 0.3293,
0.2658

■ 18.5242, 0.3424,
0.2064

■ 18.5242, 0.3424,
0.2064

■ 16.2983, 0.3484,
0.1932

■ 21.5091, 0.3365,
0.2231

■ 14.7577, 0.3543,
0.1840

■ 25.3123, 0.3309,
0.2422

■ 13.8191, 0.3599,
0.1794

■ 29.9903, 0.3258,
0.2629

■ 13.3525, 0.3646,
0.1782

■ 35.5940, 0.3210,
0.2843

■ 42.1701, 0.3169,
0.3055

■ 49.7624, 0.3132,
0.3262

■ 58.4119, 0.3100,
0.3458

■ 68.1575, 0.3073,
0.3642

■ 79.0358, 0.3050,
0.3813

Harmonies

Analogous

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



18.5242, 0.2293, 0.1697



18.5242, 0.3424, 0.2064



18.5242, 0.4689, 0.2658

Triad

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



18.5242, 0.3424, 0.2064



18.5242, 0.4584, 0.4991



18.5242, 0.1265, 0.2530

Complementary

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



18.5242, 0.3424, 0.2064



38.5860, 0.2945, 0.4975

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.



18.5242, 0.1663, 0.3816



18.5242, 0.3424, 0.2064



18.5242, 0.3565, 0.5587

Square

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



18.5242, 0.3424, 0.2064



18.5242, 0.5317, 0.4151



18.5242, 0.2500, 0.5214



18.5242, 0.1256, 0.1841

Rectangle

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



18.5242, 0.3424, 0.2064



18.5242, 0.5277, 0.3124



18.5242, 0.2500, 0.5214



18.5242, 0.1349, 0.2893

Sweetspot

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



18.5251, 0.3424, 0.2064



67.1974, 0.3197, 0.2909



10.6272, 0.2086, 0.1401



13.7498, 0.3210, 0.2847



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.



18.5251, 0.3424, 0.2064



27.9964, 0.3506, 0.1892



16.7895, 0.4339, 0.2760



9.6701, 0.3161, 0.3098



8.9880, 0.3639, 0.1779



0.3590, 0.3521, 0.1713

Inverse Universe

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



18.5251, 0.3424, 0.2064



27.9964, 0.3506, 0.1892



39.9823, 0.2611, 0.3965



9.6701, 0.3161, 0.3098



8.9880, 0.3639, 0.1779



0.3590, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 18.5242, 0.3424, 0.2064 looks on a white background.

Color Contrast Check

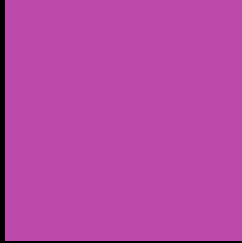
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5242, 0.3424, 0.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

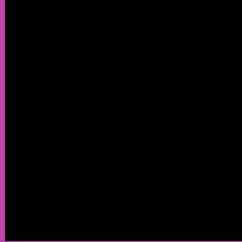
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5242, 0.3424, 0.2064

Background



This preview shows how black text looks on a background with the Yxy color 18.5242, 0.3424, 0.2064.



This preview shows how white text looks on a background with the Yxy color 18.5242, 0.3424, 0.2064.

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

18.5242, 0.3424, 0.2064

Protanopia

18.9389, 0.2053, 0.1854

Deuteranopia

18.7014, 0.2531, 0.2475



Tritanopia

18.3789, 0.4368, 0.3194

Trichromacy



Original Color

18.5242, 0.3424, 0.2064



Protanomaly

17.1694, 0.2376, 0.1845



Deuteranomaly

17.5270, 0.2798, 0.2241



Tritanomaly

18.1680, 0.4025, 0.2737

Monochromacy



Original Color

18.5242, 0.3424, 0.2064



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.2670, 0.3237, 0.2682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5242, 0.3424, 0.2064 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, 73, 171)` looks like.

```
.text, #text, p{  
    color:rgb(189, 73, 171)  
}
```

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, 73, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 73, 171) }
```

Border

The CSS property to change the border of an element to Yxy 18.5242, 0.3424, 0.2064 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, 73, 171) }
```

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

```
.border{ border-color:rgb(189, 73, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 73, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 73, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 73, 171);  
box-shadow:4px 4px 4px 4px rgb(189, 73,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5242, 0.3424, 0.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 73, 171) }
```

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

```
.background{ background-color: rgb(189, 73,  
171) }
```

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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