

# Converting Colors

$Y_{xy}(18.9966, 0.3059, 0.1674)$

Have a look what the booklet for  
Yxy(18.9966, 0.3059, 0.1674)  
contains.

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**Color**

**Yxy(18.9770, 0.3059, 0.1676)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C13CCD
RGB	193, 60, 205
RGB Percent	76%, 24%, 80%
CMY	0.2430, 0.7649, 0.1960
CMYK	0.06, 0.71, 0.00, 0.20
HSL	295°, 59%, 52%
HSV	295°, 71%, 80%
XYZ	34.6364, 18.9770, 59.6145
YIQ	116.2970, 32.7230, 73.2910

# Conversions

## Conversions Part 2

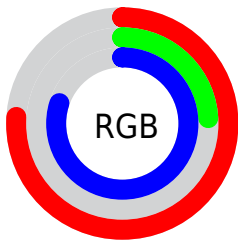
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 60, 205
Decimal	12664013
CIE <sub>Lab</sub>	50.66, 69.81, -48.69
CIE <sub>LCh</sub>	51, 85.108, 325.108
Yxy	18.9770, 0.3059, 0.1676
Android (android.graphics.Color)	4290854093 (0xFFC13CCD)
YUV	116.2970, 43.7306, 67.2685
Hunter-Lab	43.5626, 65.6900, -50.6433

# Details

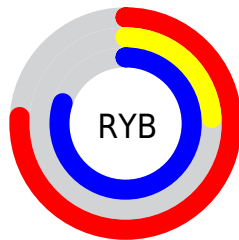
The Yxy color **18.9770, 0.3059, 0.1676** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **45.3793, 0.3073, 0.5508**, and the grayscale version is **17.4118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2963, 0.3169, 0.2009**, and **7.3529, 0.2963, 0.1406** is the 20% darker color. If you saturate the color by 10%, you get **17.0101, 0.3040, 0.1551**, and if you desaturate by 10%, it is **21.7796, 0.3076, 0.1843**.

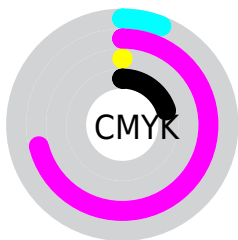
# Distribution



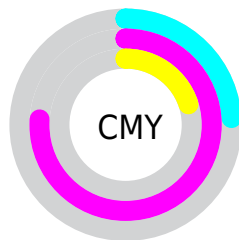
- Red (76%)
- Green (24%)
- Blue (80%)



- Red (76%)
- Yellow (24%)
- Blue (80%)



- Cyan (6%)
- Magenta (71%)
- Yellow (0%)
- Black (20%)




- Cyan (24%)
- Magenta (76%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9770, 0.3059, 0.1676 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 18.9770, 0.3059, 0.1676 by changing the saturation by 10% instead.





 18.9770, 0.3059,  
0.1676


 18.9770, 0.3059,  
0.1676


246.3218, 0.3139,  
0.2459


 11.6537, 0.3023,  
0.1496


 41.6952, 0.3100,  
0.1951

 6.5083, 0.2969,  
0.1278


 57.8589, 0.3112,  
0.2057


 3.1566, 0.2881,  
0.1011


 77.7382, 0.3120,  
0.2148

 1.2140, 0.2731,  
0.0692

 101.7174, 0.3126,  
0.2227

 0.0731, 0.2527,  
0.0086

 130.1809, 0.3131,  
0.2296

 0.0000, 0.1957,  
0.0000

163.5133, 0.3135,

 0.0000, 0.0000,

0.2357

0.0000

202.0987, 0.3137,  
0.2411

■ 18.9770, 0.3059,  
0.1676

■ 18.9770, 0.3059,  
0.1676

■ 17.0101, 0.3040,  
0.1551

■ 21.7796, 0.3076,  
0.1843

■ 15.7742, 0.3020,  
0.1470

■ 25.5015, 0.3091,  
0.2045

■ 15.1100, 0.3001,  
0.1427

■ 30.2189, 0.3103,  
0.2274

■ 35.9992, 0.3113,  
0.2520

■ 42.9040, 0.3120,  
0.2774

■ 50.9904, 0.3124,  
0.3027

■ 60.3114, 0.3127,  
0.3272

■ 70.9167, 0.3128,  
0.3505

■ 82.8535, 0.3128,  
0.3723

# Harmonies

## Analogous

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



18.9770, 0.1824, 0.1346



18.9770, 0.3059, 0.1676



18.9770, 0.4721, 0.2287

# Triad

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



18.9770, 0.3059, 0.1676



18.9770, 0.5037, 0.4917



18.9770, 0.0969, 0.2601

# Complementary

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



18.9770, 0.3059, 0.1676



45.3793, 0.3073, 0.5508

# 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.



18.9770, 0.1494, 0.4488



18.9770, 0.3059, 0.1676



18.9770, 0.3797, 0.5977

# Square

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



18.9770, 0.3059, 0.1676



18.9770, 0.5878, 0.3867



18.9770, 0.2544, 0.6169



18.9770, 0.0898, 0.1648



# Rectangle

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



18.9770, 0.3059, 0.1676



18.9770, 0.5625, 0.2783



18.9770, 0.2544, 0.6169



18.9770, 0.1083, 0.3130

# Sweetspot

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



18.9778, 0.3059, 0.1676



69.6331, 0.3119, 0.2761



10.0088, 0.1807, 0.1190



14.1926, 0.3118, 0.2690



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.



18.9778, 0.3059, 0.1676



26.6394, 0.3029, 0.1503



18.2419, 0.4057, 0.2321



11.3547, 0.3125, 0.3061



9.4234, 0.3004, 0.1428



0.5004, 0.3046, 0.1452



# Inverse Universe

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



16.6777, 0.5326, 0.3176



22.9495, 0.5962, 0.3207



46.0027, 0.2754, 0.4672



11.2285, 0.3277, 0.3271



8.1109, 0.6300, 0.3244

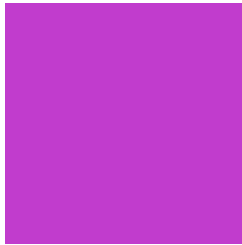


0.4238, 0.5990, 0.3073



# Previews

## White Background



This preview shows how the Yxy color 18.9770, 0.3059, 0.1676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

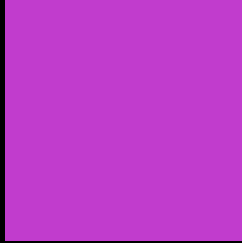
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 18.9770, 0.3059, 0.1676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

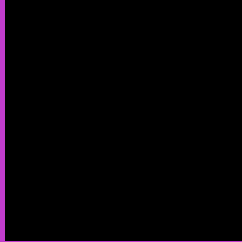
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.9770, 0.3059, 0.1676**

## Background



This preview shows how black text looks on a background with the Yxy color 18.9770, 0.3059, 0.1676.



This preview shows how white text looks on a background with the Yxy color 18.9770, 0.3059, 0.1676.

# 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

18.9770, 0.3059, 0.1676

### Protanopia

19.4999, 0.1737, 0.1454

### Deuteranopia

19.1927, 0.2118, 0.2059



## Tritanopia

18.8470, 0.4288, 0.3193

# Trichromacy



## Original Color

18.9770, 0.3059, 0.1676



## Protanomaly

15.4940, 0.1850, 0.1348



## Deuteranomaly

16.9691, 0.2344, 0.1777



## Tritanomaly

18.2130, 0.3825, 0.2516

# Monochromacy



## Original Color

18.9770, 0.3059, 0.1676



## Achromatopsia

17.4647, 0.3127, 0.3290



## Achromatomaly

16.4332, 0.3114, 0.2433

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.9770, 0.3059, 0.1676 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(193, 60, 205)` looks like.

```
.text, #text, p{  
    color:rgb(193, 60, 205)  
}
```

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(193, 60, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 60, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 18.9770, 0.3059, 0.1676 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(193, 60, 205) }
```

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

```
.border{ border-color:rgb(193, 60, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 60, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 60, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 60, 205);  
box-shadow:4px 4px 4px 4px rgb(193, 60,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.9770, 0.3059, 0.1676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 60, 205) }
```

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

```
.background{ background-color: rgb(193, 60,  
205) }
```

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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