

Converting Colors

$Y_{xy}(11.8991, 0.3771, 0.1851)$

Have a look what the booklet for
Yxy(11.8991, 0.3771, 0.1851)
contains.

Yxy(11.8991, 0.3767, 0.1849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.8991, 0.3767, 0.1849)

Conversions

Conversions Part 1

Format	Color
Hex	B50092
RGB	181, 0, 146
RGB Percent	71%, 0%, 57%
CMY	0.2902, 0.9996, 0.4275
CMYK	0.00, 1.00, 0.19, 0.29
HSL	312°, 100%, 36%
HSV	312°, 100%, 71%
XYZ	24.2422, 11.8991, 28.2129
YIQ	70.7630, 61.0100, 83.7780

Conversions

Conversions Part 2

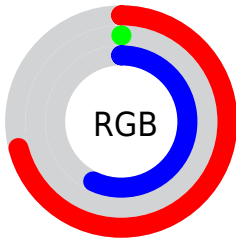
Format	Color
RYB	181, 0, 146
Decimal	11862162
CIELab	41.06, 71.16, -29.13
CIElCh	41, 76.894, 337.736
Yxy	11.8991, 0.3767, 0.1849
Android (android.graphics.Color)	4290052242 (0xFFB50092)
YUV	70.7630, 37.0918, 96.6778
Hunter-Lab	34.4951, 65.0788, -24.3457

Details

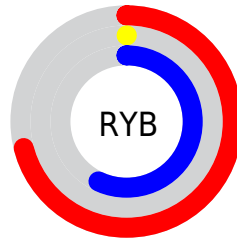
The Yxy color **11.8991, 0.3767, 0.1849** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **33.1655, 0.2947, 0.5808**, and the grayscale version is **6.1969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3679, 0.3646, 0.2144**, and **5.0372, 0.3857, 0.1899** is the 20% darker color. If you saturate the color by 10%, you get **11.8971, 0.3767, 0.1849**, and if you desaturate by 10%, it is **12.4472, 0.3696, 0.1860**.

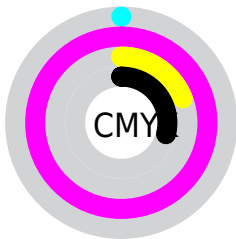
Distribution



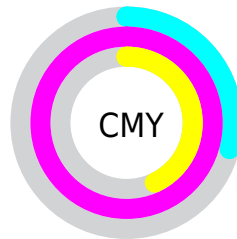
- Red (71%)
- Green (0%)
- Blue (57%)



- Red (71%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8991, 0.3767, 0.1849 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 11.8991, 0.3767, 0.1849 by changing the saturation by 10% instead.

 11.8991, 0.3767,
0.1849


 11.8991, 0.3767,
0.1849


 203.7362, 0.3427,
0.2620


 6.6750, 0.3856,
0.1646


 29.3112, 0.3640,
0.2139


 3.2597, 0.3970,
0.1383


 42.2680, 0.3593,
0.2245

 1.2688, 0.4118,
0.1038

 58.5712, 0.3554,
0.2334

 0.1168, 0.4471,
0.0227

 78.6051, 0.3520,
0.2409

 0.0000, 0.4537,
0.0000

 102.7541, 0.3492,
0.2473

 0.0000, 0.0000,
0.0000

 131.4027, 0.3467,

0.2529

164.9353, 0.3446,
0.2577

■ 11.8991, 0.3767,
0.1849

■ 11.8991, 0.3767,
0.1849

■ 11.8971, 0.3767,
0.1849

■ 12.4472, 0.3696,
0.1860

■ 13.4018, 0.3623,
0.1908

■ 14.9145, 0.3548,
0.2002

■ 17.0588, 0.3473,
0.2135

■ 19.8968, 0.3401,
0.2300

■ 23.4832, 0.3334,
0.2488

■ 27.8673, 0.3272,
0.2688

■ 33.0942, 0.3217,
0.2893

■ 39.2055, 0.3169,
0.3096

Harmonies

Analogous

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



11.8991, 0.2226, 0.1385



11.8991, 0.3767, 0.1849



11.8991, 0.5454, 0.2554

Triad

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



11.8991, 0.3767, 0.1849



11.8991, 0.4552, 0.5448



11.8991, 0.0823, 0.2031

Complementary

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



11.8991, 0.3767, 0.1849



33.1655, 0.2947, 0.5808

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.



11.8991, 0.1123, 0.3594



11.8991, 0.3767, 0.1849



11.8991, 0.3219, 0.6405

Square

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



11.8991, 0.3767, 0.1849



11.8991, 0.5708, 0.4292



11.8991, 0.1982, 0.5811



11.8991, 0.0901, 0.1384

Rectangle

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



11.8991, 0.3767, 0.1849



11.8991, 0.6071, 0.3069



11.8991, 0.1982, 0.5811



11.8991, 0.0873, 0.2426

Sweetspot

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



11.8997, 0.3767, 0.1849



49.4437, 0.3275, 0.2677



3.6654, 0.1586, 0.0648



9.9516, 0.3300, 0.2593



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



11.8997, 0.3767, 0.1849



21.2780, 0.3778, 0.1855



10.1236, 0.5697, 0.2913



8.6180, 0.3166, 0.3108



8.2126, 0.3759, 0.1844



0.2656, 0.3580, 0.1746

Inverse Universe

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



11.8997, 0.3767, 0.1849



21.2780, 0.3778, 0.1855



34.4915, 0.2543, 0.4355



8.6180, 0.3166, 0.3108



8.2126, 0.3759, 0.1844



0.2656, 0.3580, 0.1746

Previews

White Background



This preview shows how the Yxy color 11.8991, 0.3767, 0.1849 looks on a white 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

Black Background



This preview shows how the Yxy color 11.8991, 0.3767, 0.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

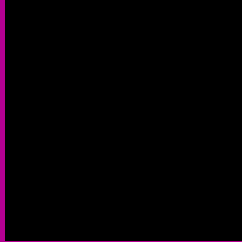
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8991, 0.3767, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 11.8991, 0.3767, 0.1849.



This preview shows how white text looks on a background with the Yxy color 11.8991, 0.3767, 0.1849.

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

11.8991, 0.3767, 0.1849

Protanopia

12.7254, 0.1742, 0.1470

Deuteranopia

12.5677, 0.2522, 0.2474



Tritanopia

12.2618, 0.5233, 0.3247

Trichromacy



Original Color

11.8991, 0.3767, 0.1849



Protanomaly

7.9146, 0.1887, 0.1198



Deuteranomaly

9.4036, 0.2891, 0.1895



Tritanomaly

11.3816, 0.4778, 0.2628

Monochromacy



Original Color

11.8991, 0.3767, 0.1849



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.1381, 0.3456, 0.2187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8991, 0.3767, 0.1849 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(181, 0, 146)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 146)  
}
```

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(181, 0, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 146) }
```

Border

The CSS property to change the border of an element to Yxy 11.8991, 0.3767, 0.1849 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(181, 0, 146) }
```

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

```
.border{ border-color:rgb(181, 0, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 146);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8991, 0.3767, 0.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 146) }
```

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

```
.background{ background-color: rgb(181, 0,  
146) }
```

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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