

Converting Colors

$Y_{xy}(11.8681, 0.3786, 0.1859)$

Have a look what the booklet for
Yxy(11.8681, 0.3786, 0.1859)
contains.

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Color

Yxy(11.8681, 0.3786, 0.1859)

Conversions

Conversions Part 1

Format	Color
Hex	B50091
RGB	181, 0, 145
RGB Percent	71%, 0%, 57%
CMY	0.2901, 1.0000, 0.4314
CMYK	0.00, 1.00, 0.20, 0.29
HSL	312°, 100%, 35%
HSV	312°, 100%, 71%
XYZ	24.1703, 11.8681, 27.8029
YIQ	70.6490, 61.3310, 83.4670

Conversions

Conversions Part 2

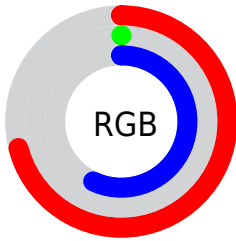
Format	Color
R_{YB}	181, 0, 145
Decimal	11862161
CIE _{Lab}	41.01, 71.06, -28.60
CIE _{LCh}	41, 76.600, 338.078
Yxy	11.8681, 0.3786, 0.1859
Android (android.graphics.Color)	4290052241 (0xFFB50091)
YUV	70.6490, 36.6550, 96.7778
Hunter-Lab	34.4501, 64.9486, -23.7348

Details

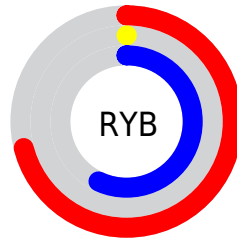
The Yxy color **11.8681, 0.3786, 0.1859** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **33.1842, 0.2944, 0.5799**, and the grayscale version is **6.1695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3213, 0.3658, 0.2152**, and **5.0191, 0.3884, 0.1914** is the 20% darker color. If you saturate the color by 10%, you get **11.8706, 0.3786, 0.1859**, and if you desaturate by 10%, it is **12.4194, 0.3713, 0.1869**.

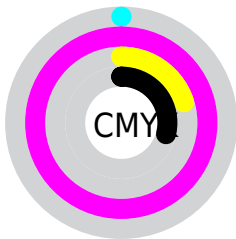
Distribution



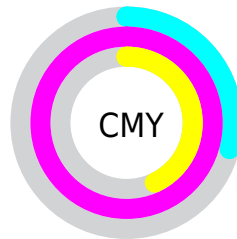
- Red (71%)
- Green (0%)
- Blue (57%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (29%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8681, 0.3786, 0.1859 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 11.8681, 0.3786, 0.1859 by changing the saturation by 10% instead.


 11.8681, 0.3786,
0.1859


 11.8681, 0.3786,
0.1859


203.5301, 0.3433,
0.2626

 6.6539, 0.3879,
0.1656


 29.2546, 0.3653,
0.2148


 3.2466, 0.3999,
0.1393


 42.1958, 0.3605,
0.2254

 1.2618, 0.4157,
0.1047

 58.4814, 0.3564,
0.2342

 0.1113, 0.4536,
0.0221

 78.4959, 0.3530,
0.2416

 0.0000, 0.4628,
0.0000

 102.6236, 0.3501,
0.2480

 0.0000, 0.0000,
0.0000

 131.2489, 0.3475,

0.2535

164.7563, 0.3453,
0.2584

■ 11.8681, 0.3786,
0.1859

■ 11.8681, 0.3786,
0.1859

■ 11.8706, 0.3786,
0.1859

■ 12.4194, 0.3713,
0.1869

■ 13.3741, 0.3637,
0.1916

■ 14.8870, 0.3559,
0.2009

■ 17.0315, 0.3482,
0.2141

■ 19.8699, 0.3408,
0.2306

■ 23.4570, 0.3339,
0.2492

■ 27.8421, 0.3276,
0.2691

■ 33.0703, 0.3219,
0.2895

■ 39.1834, 0.3170,
0.3096

Harmonies

Analogous

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



11.8681, 0.2242, 0.1392



11.8681, 0.3786, 0.1859



11.8681, 0.5463, 0.2565

Triad

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



11.8681, 0.3786, 0.1859



11.8681, 0.4538, 0.5462



11.8681, 0.0826, 0.2023

Complementary

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



11.8681, 0.3786, 0.1859



33.1842, 0.2944, 0.5799

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.



11.8681, 0.1121, 0.3570



11.8681, 0.3786, 0.1859



11.8681, 0.3206, 0.6401

Square

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



11.8681, 0.3786, 0.1859



11.8681, 0.5694, 0.4306



11.8681, 0.1974, 0.5782



11.8681, 0.0908, 0.1384

Rectangle

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



11.8681, 0.3786, 0.1859



11.8681, 0.6069, 0.3080



11.8681, 0.1974, 0.5782



11.8681, 0.0874, 0.2414

Sweetspot

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



11.8706, 0.3786, 0.1859



49.4227, 0.3279, 0.2681



3.6635, 0.1586, 0.0647



9.9465, 0.3304, 0.2598



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.



11.8706, 0.3786, 0.1859



21.2211, 0.3797, 0.1865



10.1251, 0.5699, 0.2913



8.6172, 0.3167, 0.3109



8.1911, 0.3777, 0.1855



0.2651, 0.3592, 0.1752

Inverse Universe

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



11.8706, 0.3786, 0.1859



21.2211, 0.3797, 0.1865



34.5043, 0.2543, 0.4356



8.6172, 0.3167, 0.3109



8.1911, 0.3777, 0.1855



0.2651, 0.3592, 0.1752

Previews

White Background



This preview shows how the Yxy color 11.8681, 0.3786, 0.1859 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 11.8681, 0.3786, 0.1859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

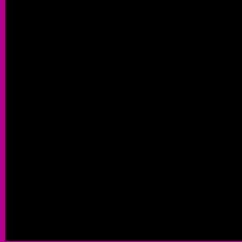
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8681, 0.3786, 0.1859

Background



This preview shows how black text looks on a background with the Yxy color 11.8681, 0.3786, 0.1859.



This preview shows how white text looks on a background with the Yxy color 11.8681, 0.3786, 0.1859.

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

11.8681, 0.3786, 0.1859

Protanopia

12.7254, 0.1742, 0.1470

Deuteranopia

12.5876, 0.2543, 0.2494



Tritanopia

12.2512, 0.5251, 0.3260

Trichromacy



Original Color

11.8681, 0.3786, 0.1859



Protanomaly

7.9146, 0.1887, 0.1198



Deuteranomaly

9.4469, 0.2920, 0.1914



Tritanomaly

11.3642, 0.4801, 0.2642

Monochromacy



Original Color

11.8681, 0.3786, 0.1859



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 11.8681, 0.3786, 0.1859 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 145) }
```

Border

The CSS property to change the border of an element to Yxy 11.8681, 0.3786, 0.1859 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, 145) }
```

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

```
.border{ border-color:rgb(181, 0, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8681, 0.3786, 0.1859 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, 145) }
```

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

```
.background{ background-color: rgb(181, 0,  
145) }
```

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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