

Converting Colors

$Y_{xy}(11.7703, 0.3850, 0.1895)$

Have a look what the booklet for
Yxy(11.7703, 0.3850, 0.1895)
contains.

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Color

Yxy(11.7768, 0.3841, 0.1890)

Conversions

Conversions Part 1

Format	Color
Hex	B5008E
RGB	181, 0, 142
RGB Percent	71%, 0%, 56%
CMY	0.2903, 0.9993, 0.4432
CMYK	0.00, 1.00, 0.22, 0.29
HSL	313°, 100%, 36%
HSV	313°, 100%, 71%
XYZ	23.9337, 11.7768, 26.6006
YIQ	70.3070, 62.2940, 82.5340

Conversions

Conversions Part 2

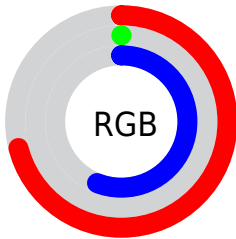
Format	Color
R_{YB}	181, 0, 142
Decimal	11862158
CIE _{Lab}	40.86, 70.66, -26.99
CIE _{LCh}	41, 75.637, 339.090
Yxy	11.7768, 0.3841, 0.1890
Android (android.graphics.Color)	4290052238 (0xFFB5008E)
YUV	70.3070, 35.3446, 97.0778
Hunter-Lab	34.3173, 64.4346, -21.9357

Details

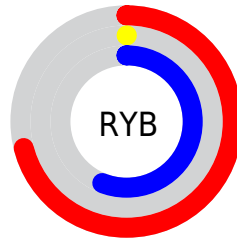
The Yxy color **11.7768, 0.3841, 0.1890** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **33.1861, 0.2936, 0.5769**, and the grayscale version is **6.1278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1833, 0.3695, 0.2179**, and **4.9663, 0.3967, 0.1959** is the 20% darker color. If you saturate the color by 10%, you get **11.7723, 0.3842, 0.1890**, and if you desaturate by 10%, it is **12.3345, 0.3760, 0.1897**.

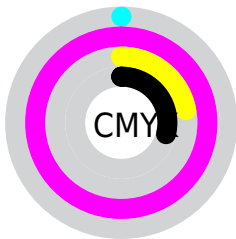
Distribution



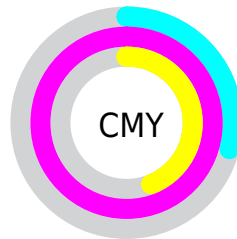
- Red (71%)
- Green (0%)
- Blue (56%)



- Red (71%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7768, 0.3841, 0.1890 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 11.7768, 0.3841, 0.1890 by changing the saturation by 10% instead.


 11.7768, 0.3841,
0.1890


 11.7768, 0.3841,
0.1890


202.9220, 0.3453,
0.2645


 6.5919, 0.3946,
0.1688


 29.0879, 0.3693,
0.2176


 3.2082, 0.4085,
0.1425


 41.9829, 0.3639,
0.2280

 1.2414, 0.4273,
0.1077

 58.2168, 0.3595,
0.2366

 0.0951, 0.4731,
0.0201

 78.1738, 0.3558,
0.2439

 0.0000, 0.4927,
0.0000

 102.2385, 0.3526,
0.2502

 0.0000, 0.0000,
0.0000

 130.7951, 0.3498,

0.2556

164.2282, 0.3474,
0.2603

■ 11.7768, 0.3841,
0.1890

■ 11.7768, 0.3841,
0.1890

■ 11.7723, 0.3842,
0.1890

■ 12.3345, 0.3760,
0.1897

■ 13.3008, 0.3677,
0.1942

■ 14.8264, 0.3592,
0.2032

■ 16.9845, 0.3508,
0.2163

■ 19.8372, 0.3427,
0.2325

■ 23.4394, 0.3353,
0.2509

■ 27.8402, 0.3285,
0.2705

■ 33.0846, 0.3225,
0.2904

■ 39.2144, 0.3172,
0.3102

Harmonies

Analogous

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



11.7768, 0.2292, 0.1414



11.7768, 0.3841, 0.1890



11.7768, 0.5486, 0.2599

Triad

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



11.7768, 0.3841, 0.1890



11.7768, 0.4500, 0.5500



11.7768, 0.0837, 0.2002

Complementary

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



11.7768, 0.3841, 0.1890



33.1861, 0.2936, 0.5769

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.



11.7768, 0.1118, 0.3500



11.7768, 0.3841, 0.1890



11.7768, 0.3170, 0.6385

Square

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



11.7768, 0.3841, 0.1890



11.7768, 0.5653, 0.4347



11.7768, 0.1950, 0.5692



11.7768, 0.0928, 0.1386

Rectangle

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



11.7768, 0.3841, 0.1890



11.7768, 0.6059, 0.3114



11.7768, 0.1950, 0.5692



11.7768, 0.0881, 0.2380

Sweetspot

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



11.7774, 0.3841, 0.1890



49.3608, 0.3289, 0.2693



3.7203, 0.1600, 0.0656



9.9315, 0.3316, 0.2611



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.



11.7774, 0.3841, 0.1890



21.0557, 0.3854, 0.1897



10.0949, 0.5756, 0.2945



8.6147, 0.3169, 0.3113



8.1287, 0.3832, 0.1885



0.2636, 0.3628, 0.1772

Inverse Universe

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



11.7774, 0.3841, 0.1890



21.0557, 0.3854, 0.1897



34.5640, 0.2526, 0.4294



8.6147, 0.3169, 0.3113



8.1287, 0.3832, 0.1885



0.2636, 0.3628, 0.1772

Previews

White Background



This preview shows how the Yxy color 11.7768, 0.3841, 0.1890 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 11.7768, 0.3841, 0.1890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

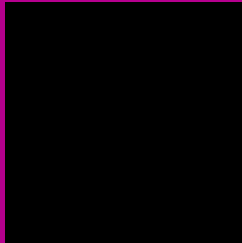
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7768, 0.3841, 0.1890

Background



This preview shows how black text looks on a background with the Yxy color 11.7768, 0.3841, 0.1890.



This preview shows how white text looks on a background with the Yxy color 11.7768, 0.3841, 0.1890.

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

11.7768, 0.3841, 0.1890

Protanopia

12.5206, 0.1764, 0.1486

Deuteranopia

12.3667, 0.2582, 0.2529



Tritanopia

12.1428, 0.5278, 0.3260

Trichromacy



Original Color

11.7768, 0.3841, 0.1890



Protanomaly

8.2106, 0.1987, 0.1258



Deuteranomaly

9.3604, 0.2963, 0.1954



Tritanomaly

11.3301, 0.4845, 0.2669

Monochromacy



Original Color

11.7768, 0.3841, 0.1890



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.0363, 0.3479, 0.2215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7768, 0.3841, 0.1890 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 142) }
```

Border

The CSS property to change the border of an element to Yxy 11.7768, 0.3841, 0.1890 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, 142) }
```

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

```
.border{ border-color:rgb(181, 0, 142) }
```

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, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7768, 0.3841, 0.1890 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, 142) }
```

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

```
.background{ background-color: rgb(181, 0,  
142) }
```

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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