

Converting Colors

$Y_{xy}(13.8061, 0.3730, 0.1829)$

Have a look what the booklet for
Yxy(13.8061, 0.3730, 0.1829)
contains.

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Color

Yxy(13.8061, 0.3730, 0.1829)

Conversions

Conversions Part 1

Format	Color
Hex	C1009E
RGB	193, 0, 158
RGB Percent	76%, 0%, 62%
CMY	0.2433, 0.9989, 0.3804
CMYK	0.00, 1.00, 0.18, 0.24
HSL	311°, 100%, 38%
HSV	311°, 100%, 76%
XYZ	28.1557, 13.8061, 33.5226
YIQ	75.7190, 64.3100, 90.0540

Conversions

Conversions Part 2

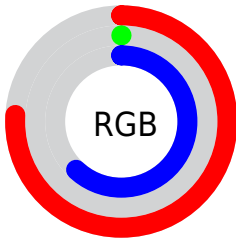
Format	Color
RYB	193, 0, 158
Decimal	12648606
CIELab	43.95, 74.89, -31.68
CIElCh	44, 81.313, 337.070
Yxy	13.8061, 0.3730, 0.1829
Android (android.graphics.Color)	4290838686 (0xFFC1009E)
YUV	75.7190, 40.5645, 102.8554
Hunter-Lab	37.1566, 70.2359, -27.4818

Details

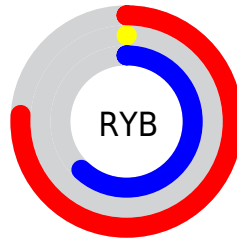
The Yxy color **13.8061, 0.3730, 0.1829** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **38.2479, 0.2953, 0.5831**, and the grayscale version is **7.1188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6662, 0.3614, 0.2108**, and **6.1089, 0.3802, 0.1868** is the 20% darker color. If you saturate the color by 10%, you get **13.7989, 0.3731, 0.1829**, and if you desaturate by 10%, it is **14.4086, 0.3664, 0.1840**.

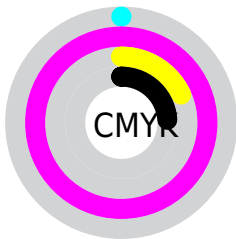
Distribution



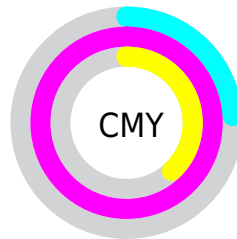
- Red (76%)
- Green (0%)
- Blue (62%)



- Red (76%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (24%)




- Cyan (24%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8061, 0.3730, 0.1829 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 13.8061, 0.3730, 0.1829 by changing the saturation by 10% instead.


 13.8061, 0.3730,
0.1829


 13.8061, 0.3730,
0.1829

216.0212, 0.3421,
0.2590


 7.9859, 0.3806,
0.1636


 32.7446, 0.3617,
0.2110


 4.0859, 0.3902,
0.1390


 46.6317, 0.3575,
0.2214

 1.7218, 0.4022,
0.1073


 63.9766, 0.3539,
0.2302

 0.4377, 0.4205,
0.0581

 85.1636, 0.3508,
0.2377

 0.0000, 0.4394,
0.0000

 110.5772, 0.3482,
0.2441

 0.0000, 0.3323,
0.0000

 140.6017, 0.3459,

 0.0000, 0.0000,

0.2498

0.0000

175.6216, 0.3439,
0.2547

■ 13.8061, 0.3730,
0.1829

■ 13.8061, 0.3730,
0.1829

■ 13.7989, 0.3731,
0.1829

■ 14.4086, 0.3664,
0.1840

■ 15.4918, 0.3596,
0.1889

■ 17.2217, 0.3526,
0.1983

■ 19.6846, 0.3456,
0.2118

■ 22.9534, 0.3388,
0.2286

■ 27.0922, 0.3324,
0.2476

■ 32.1587, 0.3265,
0.2679

■ 38.2056, 0.3213,
0.2888

■ 45.2816, 0.3167,
0.3094

Harmonies

Analogous

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



13.8061, 0.2194, 0.1371



13.8061, 0.3730, 0.1829



13.8061, 0.5437, 0.2532

Triad

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



13.8061, 0.3730, 0.1829



13.8061, 0.4578, 0.5422



13.8061, 0.0817, 0.2046

Complementary

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



13.8061, 0.3730, 0.1829



38.2479, 0.2953, 0.5831

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.



13.8061, 0.1126, 0.3642



13.8061, 0.3730, 0.1829



13.8061, 0.3240, 0.6406

Square

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



13.8061, 0.3730, 0.1829



13.8061, 0.5724, 0.4257



13.8061, 0.1999, 0.5870



13.8061, 0.0888, 0.1384

Rectangle

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



13.8061, 0.3730, 0.1829



13.8061, 0.6075, 0.3047



13.8061, 0.1999, 0.5870



13.8061, 0.0869, 0.2450

Sweetspot

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



13.8068, 0.3730, 0.1829



57.0113, 0.3269, 0.2667



4.1682, 0.1572, 0.0640



11.3681, 0.3293, 0.2579



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



13.8068, 0.3730, 0.1829



24.6910, 0.3740, 0.1834



11.7146, 0.5644, 0.2884



10.2151, 0.3165, 0.3104



9.1927, 0.3723, 0.1825



0.4056, 0.3589, 0.1751

Inverse Universe

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



13.8068, 0.3730, 0.1829



24.6910, 0.3740, 0.1834



39.7030, 0.2561, 0.4419



10.2151, 0.3165, 0.3104



9.1927, 0.3723, 0.1825



0.4056, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 13.8061, 0.3730, 0.1829 looks on a white background.

Color Contrast Check

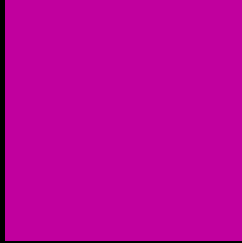
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8061, 0.3730, 0.1829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

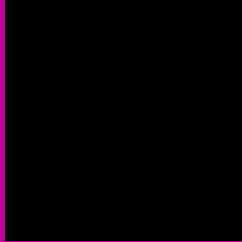
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8061, 0.3730, 0.1829

Background



This preview shows how black text looks on a background with the Yxy color 13.8061, 0.3730, 0.1829.



This preview shows how white text looks on a background with the Yxy color 13.8061, 0.3730, 0.1829.

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

13.8061, 0.3730, 0.1829

Protanopia

14.5647, 0.1737, 0.1454

Deuteranopia

14.5166, 0.2495, 0.2445



Tritanopia

14.1529, 0.5215, 0.3249

Trichromacy



Original Color

13.8061, 0.3730, 0.1829



Protanomaly

9.0682, 0.1876, 0.1183



Deuteranomaly

10.9484, 0.2854, 0.1868



Tritanomaly

13.1098, 0.4755, 0.2625

Monochromacy



Original Color

13.8061, 0.3730, 0.1829



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.0765, 0.3440, 0.2161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8061, 0.3730, 0.1829 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, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 158)  
}
```

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, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 158) }
```

Border

The CSS property to change the border of an element to Yxy 13.8061, 0.3730, 0.1829 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, 0, 158) }
```

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

```
.border{ border-color:rgb(193, 0, 158) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8061, 0.3730, 0.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 158) }
```

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

```
.background{ background-color: rgb(193, 0,  
158) }
```

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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