

Converting Colors

$Y_{xy}(11.0790, 0.4134, 0.2140)$

Have a look what the booklet for
Yxy(11.0790, 0.4134, 0.2140)
contains.

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Color

Yxy(11.1319, 0.4130, 0.2138)

Conversions

Conversions Part 1

Format	Color
Hex	AF177A
RGB	175, 23, 122
RGB Percent	69%, 9%, 48%
CMY	0.3136, 0.9101, 0.5215
CMYK	0.00, 0.87, 0.30, 0.31
HSL	321°, 77%, 39%
HSV	321°, 87%, 69%
XYZ	21.5036, 11.1319, 19.4314
YIQ	79.7340, 58.8130, 63.0130

Conversions

Conversions Part 2

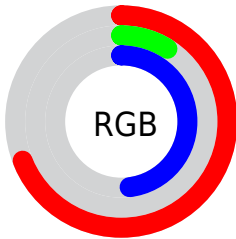
Format	Color
RYB	175, 23, 122
Decimal	11474810
CIELab	39.80, 64.14, -16.39
CIELCh	40, 66.205, 345.665
Yxy	11.1319, 0.4130, 0.2138
Android (android.graphics.Color)	4289664890 (0xFFAF177A)
YUV	79.7340, 20.8371, 83.5483
Hunter-Lab	33.3645, 56.6565, -11.1751

Details

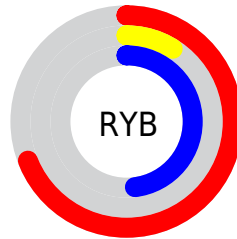
The Yxy color **11.1319, 0.4130, 0.2138** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **31.3731, 0.2815, 0.5199**, and the grayscale version is **7.9111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8999, 0.3881, 0.2389**, and **4.2629, 0.4384, 0.2189** is the 20% darker color. If you saturate the color by 10%, you get **10.4938, 0.4281, 0.2150**, and if you desaturate by 10%, it is **12.2254, 0.3977, 0.2174**.

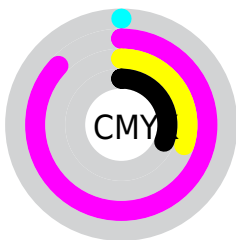
Distribution



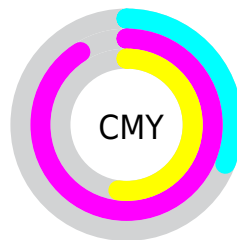
- Red (69%)
- Green (9%)
- Blue (48%)



- Red (69%)
- Yellow (9%)
- Blue (48%)



- Cyan (0%)
- Magenta (87%)
- Yellow (30%)
- Black (31%)





- Cyan (31%)
- Magenta (91%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1319, 0.4130, 0.2138 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 11.1319, 0.4130, 0.2138 by changing the saturation by 10% instead.


 11.1319, 0.4130,
0.2138


 11.1319, 0.4130,
0.2138


198.5702, 0.3546,
0.2787


 6.1556, 0.4311,
0.1950


 27.9038, 0.3894,
0.2393


 2.9399, 0.4568,
0.1694

 40.4682, 0.3813,
0.2483


 1.1005, 0.4957,
0.1330

 56.3308, 0.3747,
0.2556

 0.0000, 0.6087,
0.0000

 75.8760, 0.3693,
0.2618

 0.0000, 1.0000,
0.0000

 99.4881, 0.3647,
0.2670

 0.0000, 0.0000,
0.0000

 127.5516, 0.3608,

0.2714

160.4509, 0.3575,
0.2753

■ 11.1319, 0.4130,
0.2138

■ 11.1319, 0.4130,
0.2138

■ 10.4938, 0.4281,
0.2150

■ 12.2254, 0.3977,
0.2174

■ 10.3326, 0.4328,
0.2158

■ 13.8637, 0.3827,
0.2256

■ 16.1113, 0.3684,
0.2375

■ 19.0233, 0.3554,
0.2521

■ 22.6483, 0.3437,
0.2682

■ 27.0307, 0.3335,
0.2850

■ 32.2110, 0.3247,
0.3019

■ 38.2269, 0.3172,
0.3182

■ 45.1136, 0.3109,
0.3337

Harmonies

Analogous

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



11.1319, 0.2643, 0.1622



11.1319, 0.4130, 0.2138



11.1319, 0.5479, 0.2848

Triad

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



11.1319, 0.4130, 0.2138



11.1319, 0.4225, 0.5604



11.1319, 0.0978, 0.1954

Complementary

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



11.1319, 0.4130, 0.2138



31.3731, 0.2815, 0.5199

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.



11.1319, 0.1182, 0.3132



11.1319, 0.4130, 0.2138



11.1319, 0.2994, 0.6080

Square

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



11.1319, 0.4130, 0.2138



11.1319, 0.5298, 0.4574



11.1319, 0.1877, 0.5009



11.1319, 0.1129, 0.1468

Rectangle

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



11.1319, 0.4130, 0.2138



11.1319, 0.5853, 0.3361



11.1319, 0.1877, 0.5009



11.1319, 0.1002, 0.2252

Sweetspot

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



11.1325, 0.4130, 0.2138



48.7818, 0.3330, 0.2858



5.1472, 0.1903, 0.0903



10.2118, 0.3363, 0.2801



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



11.1325, 0.4130, 0.2138



18.4560, 0.4352, 0.2171



9.9428, 0.5747, 0.3084



8.0999, 0.3189, 0.3143



7.4088, 0.4312, 0.2149



0.2159, 0.3902, 0.1923

Inverse Universe

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



11.1325, 0.4130, 0.2138



18.4560, 0.4352, 0.2171



33.0437, 0.2400, 0.3747



8.0999, 0.3189, 0.3143



7.4088, 0.4312, 0.2149



0.2159, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 11.1319, 0.4130, 0.2138 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 11.1319, 0.4130, 0.2138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

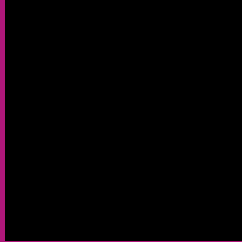
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1319, 0.4130, 0.2138

Background



This preview shows how black text looks on a background with the Yxy color 11.1319, 0.4130, 0.2138.



This preview shows how white text looks on a background with the Yxy color 11.1319, 0.4130, 0.2138.

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

11.1319, 0.4130, 0.2138

Protanopia

11.6608, 0.2020, 0.1815

Deuteranopia

11.4765, 0.2870, 0.2822



Tritanopia

11.2684, 0.5365, 0.3273

Trichromacy



Original Color

11.1319, 0.4130, 0.2138

Protanomaly

9.2009, 0.2460, 0.1716

Deuteranomaly

9.7037, 0.3292, 0.2351

Tritanomaly

10.9210, 0.4975, 0.2827

Monochromacy



Original Color

11.1319, 0.4130, 0.2138

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

7.5990, 0.3563, 0.2531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1319, 0.4130, 0.2138 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(175, 23, 122)` looks like.

```
.text, #text, p{  
  color:rgb(175, 23, 122)  
}
```

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(175, 23, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 23, 122) }
```

Border

The CSS property to change the border of an element to Yxy 11.1319, 0.4130, 0.2138 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(175, 23, 122) }
```

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

```
.border{ border-color:rgb(175, 23, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 23, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 23, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 23, 122);  
box-shadow:4px 4px 4px 4px rgb(175, 23,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1319, 0.4130, 0.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 23, 122) }
```

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

```
.background{ background-color: rgb(175, 23,  
122) }
```

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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