

Converting Colors

$Y_{xy}(11.8809, 0.3042, 0.1450)$

Have a look what the booklet for
Yxy(11.8809, 0.3042, 0.1450)
contains.

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Color

Yxy(11.9234, 0.3045, 0.1451)

Conversions

Conversions Part 1

Format	Color
Hex	AA00B6
RGB	170, 0, 182
RGB Percent	67%, 0%, 71%
CMY	0.3333, 1.0000, 0.2863
CMYK	0.07, 1.00, 0.00, 0.29
HSL	296°, 100%, 36%
HSV	296°, 100%, 71%
XYZ	25.0219, 11.9234, 45.2284
YIQ	71.5780, 42.8980, 92.6420

Conversions

Conversions Part 2

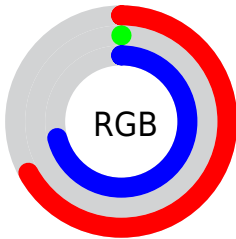
Format	Color
RYB	170, 0, 182
Decimal	11141302
CIELab	41.09, 74.36, -50.79
CIElCh	41, 90.047, 325.666
Yxy	11.9234, 0.3045, 0.1451
Android (android.graphics.Color)	4289331382 (0xFFAA00B6)
YUV	71.5780, 54.4380, 86.3161
Hunter-Lab	34.5303, 68.9196, -53.4879

Details

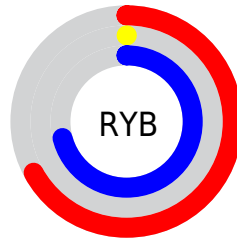
The Yxy color **11.9234, 0.3045, 0.1451** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **33.5262, 0.3014, 0.5989**, and the grayscale version is **6.3051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3870, 0.3096, 0.1779**, and **5.0692, 0.2924, 0.1385** is the 20% darker color. If you saturate the color by 10%, you get **11.9245, 0.3045, 0.1451**, and if you desaturate by 10%, it is **12.4976, 0.3061, 0.1500**.

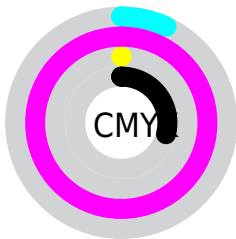
Distribution



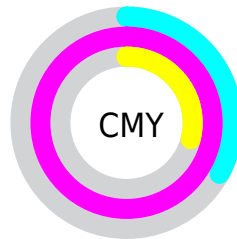
- Red (67%)
- Green (0%)
- Blue (71%)



- Red (67%)
- Yellow (0%)
- Blue (71%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)




- Cyan (33%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9234, 0.3045, 0.1451 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 11.9234, 0.3045, 0.1451 by changing the saturation by 10% instead.


 11.9234, 0.3045,
0.1451


 11.9234, 0.3045,
0.1451


203.8975, 0.3150,
0.2376


 6.6915, 0.2993,
0.1234


 29.3555, 0.3101,
0.1780

 3.2700, 0.2908,
0.0973


 42.3246, 0.3117,
0.1907

 1.2742, 0.2766,
0.0664


 58.6415, 0.3128,
0.2015

 0.1211, 0.2563,
0.0126

 78.6906, 0.3135,
0.2108

 0.0000, 0.2050,
0.0000

 102.8564, 0.3141,
0.2188

 0.0000, 0.0000,
0.0000

 131.5232, 0.3145,

0.2259

165.0754, 0.3148,
0.2321

■ 11.9234, 0.3045,
0.1451

■ 11.9234, 0.3045,
0.1451

■ 11.9245, 0.3045,
0.1451

■ 12.4976, 0.3061,
0.1500

■ 13.4796, 0.3076,
0.1583

■ 15.0241, 0.3090,
0.1709

■ 17.2056, 0.3101,
0.1876

■ 20.0872, 0.3111,
0.2077

■ 23.7243, 0.3118,
0.2304

■ 28.1669, 0.3123,
0.2548

■ 33.4607, 0.3126,
0.2798

■ 39.6478, 0.3127,
0.3048

Harmonies

Analogous

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



11.9234, 0.1626, 0.1100



11.9234, 0.3045, 0.1451



11.9234, 0.5091, 0.2106

Triad

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



11.9234, 0.3045, 0.1451



11.9234, 0.5078, 0.4922



11.9234, 0.0673, 0.2353

Complementary

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



11.9234, 0.3045, 0.1451



33.5262, 0.3014, 0.5989

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.



11.9234, 0.1148, 0.4713



11.9234, 0.3045, 0.1451



11.9234, 0.3616, 0.6384

Square

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



11.9234, 0.3045, 0.1451



11.9234, 0.6253, 0.3747



11.9234, 0.2233, 0.6913



11.9234, 0.0645, 0.1358

Rectangle

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



11.9234, 0.3045, 0.1451



11.9234, 0.6161, 0.2621



11.9234, 0.2233, 0.6913



11.9234, 0.0766, 0.2968

Sweetspot

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



11.9245, 0.3045, 0.1451



50.6324, 0.3123, 0.2535



3.6428, 0.1512, 0.0642



10.4017, 0.3121, 0.2431



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



11.9245, 0.3045, 0.1451



21.5830, 0.3042, 0.1450



10.9246, 0.4676, 0.2350



9.1319, 0.3127, 0.3064



8.4342, 0.3047, 0.1452



0.3064, 0.3091, 0.1477

Inverse Universe

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



9.9693, 0.6330, 0.3261



18.0666, 0.6347, 0.3270



34.0108, 0.2784, 0.5223



9.0215, 0.3278, 0.3275



7.0455, 0.6316, 0.3253



0.2516, 0.5997, 0.3077

Previews

White Background



This preview shows how the Yxy color 11.9234, 0.3045, 0.1451 looks on a white background.

Color Contrast Check

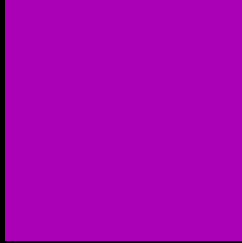
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9234, 0.3045, 0.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

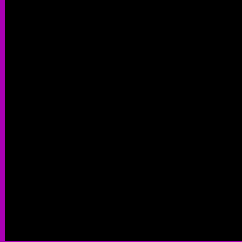
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9234, 0.3045, 0.1451

Background



This preview shows how black text looks on a background with the Yxy color 11.9234, 0.3045, 0.1451.



This preview shows how white text looks on a background with the Yxy color 11.9234, 0.3045, 0.1451.

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

11.9234, 0.3045, 0.1451

Protanopia

12.6300, 0.1746, 0.1486

Deuteranopia

12.5682, 0.1963, 0.1912



Tritanopia

12.2974, 0.4618, 0.3216

Trichromacy



Original Color

11.9234, 0.3045, 0.1451



Protanomaly

8.3018, 0.1817, 0.1117



Deuteranomaly

8.8858, 0.2135, 0.1386



Tritanomaly

10.7960, 0.4025, 0.2295

Monochromacy



Original Color

11.9234, 0.3045, 0.1451



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.3120, 0.3112, 0.1947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9234, 0.3045, 0.1451 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(170, 0, 182)` looks like.

```
.text, #text, p{  
  color:rgb(170, 0, 182)  
}
```

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(170, 0, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 182) }
```

Border

The CSS property to change the border of an element to Yxy 11.9234, 0.3045, 0.1451 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(170, 0, 182) }
```

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

```
.border{ border-color:rgb(170, 0, 182) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 182);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9234, 0.3045, 0.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 182) }
```

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

```
.background{ background-color: rgb(170, 0,  
182) }
```

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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