

Converting Colors

$Y_{xy}(11.8546, 0.2874, 0.1357)$

Have a look what the booklet for
Yxy(11.8546, 0.2874, 0.1357)
contains.

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Color

Yxy(11.8686, 0.2880, 0.1360)

Conversions

Conversions Part 1

Format	Color
Hex	A600BF
RGB	166, 0, 191
RGB Percent	65%, 0%, 75%
CMY	0.3490, 1.0000, 0.2509
CMYK	0.13, 1.00, 0.00, 0.25
HSL	292°, 100%, 37%
HSV	292°, 100%, 75%
XYZ	25.1335, 11.8686, 50.2670
YIQ	71.4080, 37.6250, 94.5930

Conversions

Conversions Part 2

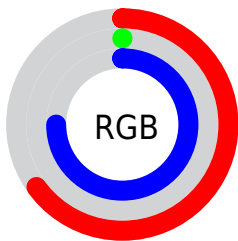
Format	Color
RYB	166, 0, 191
Decimal	10879167
CIELab	41.01, 75.21, -56.29
CIELCh	41, 93.941, 323.189
Yxy	11.8686, 0.2880, 0.1360
Android (android.graphics.Color)	4289069247 (0xFFA600BF)
YUV	71.4080, 58.9589, 82.9572
Hunter-Lab	34.4508, 69.9352, -62.3941

Details

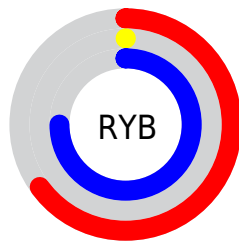
The Yxy color **11.8686, 0.2880, 0.1360** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **37.4765, 0.3034, 0.5973**, and the grayscale version is **6.2684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2819, 0.2974, 0.1700**, and **4.9657, 0.2705, 0.1264** is the 20% darker color. If you saturate the color by 10%, you get **11.8710, 0.2880, 0.1360**, and if you desaturate by 10%, it is **12.6131, 0.2914, 0.1419**.

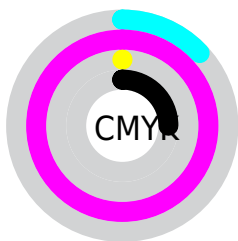
Distribution



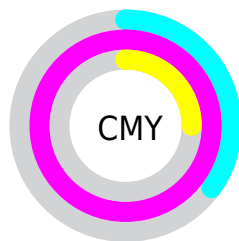
- Red (65%)
- Green (0%)
- Blue (75%)



- Red (65%)
- Yellow (0%)
- Blue (75%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (35%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8686, 0.2880, 0.1360 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 11.8686, 0.2880, 0.1360 by changing the saturation by 10% instead.


 11.8686, 0.2880,
0.1360


 11.8686, 0.2880,
0.1360


203.5334, 0.3082,
0.2316


 6.6543, 0.2801,
0.1143


 29.2556, 0.2974,
0.1696


 3.2468, 0.2683,
0.0886


 42.1970, 0.3003,
0.1826

 1.2619, 0.2498,
0.0589


 58.4829, 0.3025,
0.1938

 0.1114, 0.2236,
0.0100

 78.4977, 0.3042,
0.2034

 0.0000, 0.1700,
0.0000

 102.6257, 0.3055,
0.2118

 0.0000, 0.0000,
0.0000

 131.2514, 0.3066,

0.2192

164.7592, 0.3075,
0.2258

■ 11.8686, 0.2880,
0.1360

■ 11.8686, 0.2880,
0.1360

■ 11.8710, 0.2880,
0.1360

■ 12.6131, 0.2914,
0.1419

■ 13.8214, 0.2948,
0.1514

■ 15.6621, 0.2980,
0.1653

■ 18.2196, 0.3011,
0.1833

■ 21.5651, 0.3039,
0.2047

■ 25.7612, 0.3064,
0.2284

■ 30.8643, 0.3085,
0.2536

■ 36.9257, 0.3103,
0.2793

■ 43.9931, 0.3117,
0.3046

Harmonies

Analogous

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



11.8686, 0.1498, 0.1035



11.8686, 0.2880, 0.1360



11.8686, 0.4993, 0.2001

Triad

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



11.8686, 0.2880, 0.1360



11.8686, 0.5205, 0.4795



11.8686, 0.0633, 0.2440

Complementary

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



11.8686, 0.2880, 0.1360



37.4765, 0.3034, 0.5973

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.



11.8686, 0.1143, 0.5035



11.8686, 0.2880, 0.1360



11.8686, 0.3681, 0.6319

Square

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



11.8686, 0.2880, 0.1360



11.8686, 0.6383, 0.3617



11.8686, 0.2264, 0.7130



11.8686, 0.0587, 0.1347

Rectangle

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



11.8686, 0.2880, 0.1360



11.8686, 0.6176, 0.2515



11.8686, 0.2264, 0.7130



11.8686, 0.0734, 0.3122

Sweetspot

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



11.8710, 0.2880, 0.1360



54.7941, 0.3084, 0.2524



4.4779, 0.1528, 0.0701



11.1384, 0.3076, 0.2416



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.



11.8710, 0.2880, 0.1360



21.1799, 0.2875, 0.1357



12.4587, 0.4409, 0.2202



9.6312, 0.3117, 0.3062



7.8247, 0.2885, 0.1363



0.3244, 0.2967, 0.1408

Inverse Universe

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



11.1490, 0.6236, 0.3209



19.9442, 0.6260, 0.3222



37.7125, 0.2841, 0.5427



9.5562, 0.3268, 0.3260



7.3323, 0.6212, 0.3196



0.2939, 0.5691, 0.2909

Previews

White Background



This preview shows how the Yxy color 11.8686, 0.2880, 0.1360 looks on a white background.

Color Contrast Check

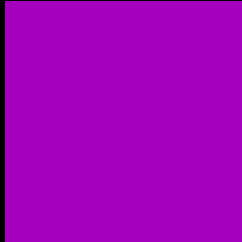
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8686, 0.2880, 0.1360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

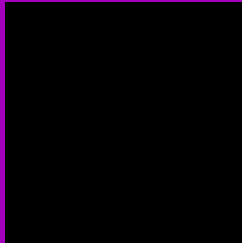
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8686, 0.2880, 0.1360

Background



This preview shows how black text looks on a background with the Yxy color 11.8686, 0.2880, 0.1360.



This preview shows how white text looks on a background with the Yxy color 11.8686, 0.2880, 0.1360.

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

11.8686, 0.2880, 0.1360

Protanopia

12.6300, 0.1746, 0.1486

Deuteranopia

12.5217, 0.1837, 0.1813



Tritanopia

12.2867, 0.4419, 0.3211

Trichromacy



Original Color

11.8686, 0.2880, 0.1360



Protanomaly

8.3754, 0.1796, 0.1096



Deuteranomaly

8.0463, 0.1855, 0.1219



Tritanomaly

10.6381, 0.3836, 0.2223

Monochromacy



Original Color

11.8686, 0.2880, 0.1360



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.1787, 0.3019, 0.1870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8686, 0.2880, 0.1360 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(166, 0, 191)` looks like.

```
.text, #text, p{  
  color:rgb(166, 0, 191)  
}
```

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(166, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 191) }
```

Border

The CSS property to change the border of an element to Yxy 11.8686, 0.2880, 0.1360 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(166, 0, 191) }
```

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

```
.border{ border-color:rgb(166, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8686, 0.2880, 0.1360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 191) }
```

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

```
.background{ background-color: rgb(166, 0,  
191) }
```

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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