

Converting Colors

$Y_{xy}(18.3968, 0.2897, 0.1689)$

Have a look what the booklet for
Yxy(18.3968, 0.2897, 0.1689)
contains.

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Color

Yxy(18.3311, 0.2895, 0.1684)

Conversions

Conversions Part 1

Format	Color
Hex	B247CC
RGB	178, 71, 204
RGB Percent	70%, 28%, 80%
CMY	0.3020, 0.7216, 0.2000
CMYK	0.13, 0.65, 0.00, 0.20
HSL	288°, 57%, 54%
HSV	288°, 65%, 80%
XYZ	31.5134, 18.3311, 59.0100
YIQ	118.1550, 21.0790, 64.0470

Conversions

Conversions Part 2

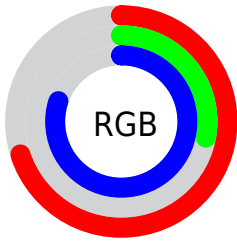
Format	Color
RYB	178, 71, 204
Decimal	11683788
CIELab	49.90, 62.03, -49.45
CIElCh	50, 79.330, 321.440
Yxy	18.3311, 0.2895, 0.1684
Android (android.graphics.Color)	4289873868 (0xFFB247CC)
YUV	118.1550, 42.3216, 52.4841
Hunter-Lab	42.8148, 56.4570, -51.7467

Details

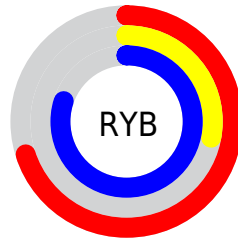
The Yxy color **18.3311, 0.2895, 0.1684** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **46.1872, 0.3170, 0.5293**, and the grayscale version is **18.0283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1462, 0.3026, 0.2010**, and **6.3075, 0.2762, 0.1295** is the 20% darker color. If you saturate the color by 10%, you get **15.6931, 0.2844, 0.1512**, and if you desaturate by 10%, it is **21.8551, 0.2944, 0.1894**.

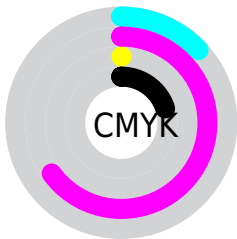
Distribution



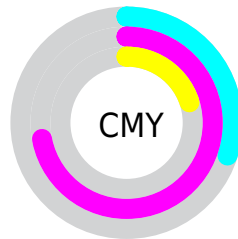
- Red (70%)
- Green (28%)
- Blue (80%)



- Red (70%)
- Yellow (28%)
- Blue (80%)



- Cyan (13%)
- Magenta (65%)
- Yellow (0%)
- Black (20%)





- Cyan (30%)
- Magenta (72%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3311, 0.2895, 0.1684 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 18.3311, 0.2895, 0.1684 by changing the saturation by 10% instead.


 18.3311, 0.2895,
0.1684


 18.3311, 0.2895,
0.1684


242.7307, 0.3062,
0.2472


 11.1880, 0.2837,
0.1501


 40.6007, 0.2968,
0.1962


 6.1934, 0.2753,
0.1278


 56.4960, 0.2992,
0.2069

 2.9630, 0.2626,
0.1005


 76.0774, 0.3010,
0.2161

 1.1125, 0.2423,
0.0677

 99.7294, 0.3025,
0.2240

 0.0000, 0.2149,
0.0000

 127.8363, 0.3037,
0.2309

 0.0000, 0.1353,
0.0000

160.7826, 0.3047,

 0.0000, 0.0000,

0.2370

0.0000

198.9526, 0.3055,
0.2424

■ 18.3311, 0.2895,
0.1684

■ 18.3311, 0.2895,
0.1684

■ 15.6931, 0.2844,
0.1512

■ 21.8551, 0.2944,
0.1894

■ 13.8475, 0.2792,
0.1383

■ 26.3415, 0.2989,
0.2132

■ 12.6836, 0.2740,
0.1300

■ 31.8611, 0.3029,
0.2388

■ 12.2653, 0.2715,
0.1269

■ 38.4771, 0.3063,
0.2651

■ 46.2480, 0.3092,
0.2912

■ 55.2277, 0.3117,
0.3164

■ 65.4670, 0.3136,
0.3403

■ 77.0136, 0.3151,
0.3626

■ 89.9128, 0.3163,
0.3831

Harmonies

Analogous

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



18.3311, 0.1776, 0.1396



18.3311, 0.2895, 0.1684



18.3311, 0.4449, 0.2252

Triad

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



18.3311, 0.2895, 0.1684



18.3311, 0.5107, 0.4755



18.3311, 0.1089, 0.2826

Complementary

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



18.3311, 0.2895, 0.1684



46.1872, 0.3170, 0.5293

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.



18.3311, 0.1681, 0.4665



18.3311, 0.2895, 0.1684



18.3311, 0.3967, 0.5765

Square

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



18.3311, 0.2895, 0.1684



18.3311, 0.5827, 0.3788



18.3311, 0.2751, 0.6061



18.3311, 0.0963, 0.1799

Rectangle

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



18.3311, 0.2895, 0.1684



18.3311, 0.5366, 0.2732



18.3311, 0.2751, 0.6061



18.3311, 0.1226, 0.3366

Sweetspot

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



18.3319, 0.2895, 0.1684



69.8232, 0.3078, 0.2780



14.3608, 0.1956, 0.1575



14.1787, 0.3070, 0.2706



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



18.3319, 0.2895, 0.1684



24.6735, 0.2824, 0.1457



20.0295, 0.3716, 0.2197



11.2886, 0.3107, 0.3059



7.7583, 0.2722, 0.1273



0.4293, 0.2823, 0.1329

Inverse Universe

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



18.2085, 0.4821, 0.2995



24.9241, 0.5393, 0.3006



45.6756, 0.2844, 0.4801



11.2489, 0.3260, 0.3245



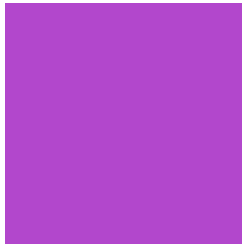
8.1865, 0.6069, 0.3117



0.4332, 0.5530, 0.2820

Previews

White Background



This preview shows how the Yxy color 18.3311, 0.2895, 0.1684 looks on a white background.

Color Contrast Check

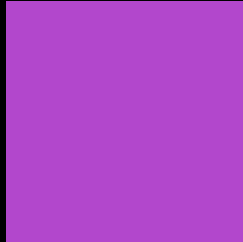
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3311, 0.2895, 0.1684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

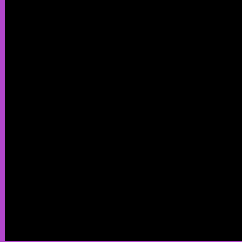
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3311, 0.2895, 0.1684

Background



This preview shows how black text looks on a background with the Yxy color 18.3311, 0.2895, 0.1684.



This preview shows how white text looks on a background with the Yxy color 18.3311, 0.2895, 0.1684.

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

18.3311, 0.2895, 0.1684

Protanopia

18.7931, 0.1737, 0.1454

Deuteranopia

18.7127, 0.2081, 0.2032



Tritanopia

18.1964, 0.3964, 0.3166

Trichromacy



Original Color

18.3311, 0.2895, 0.1684



Protanomaly

15.7046, 0.1847, 0.1395



Deuteranomaly

16.8950, 0.2278, 0.1801



Tritanomaly

17.6740, 0.3543, 0.2494

Monochromacy



Original Color

18.3311, 0.2895, 0.1684



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.0527, 0.3047, 0.2487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3311, 0.2895, 0.1684 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(178, 71, 204)` looks like.

```
.text, #text, p{  
    color:rgb(178, 71, 204)  
}
```

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(178, 71, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 71, 204) }
```

Border

The CSS property to change the border of an element to Yxy 18.3311, 0.2895, 0.1684 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(178, 71, 204) }
```

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

```
.border{ border-color:rgb(178, 71, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 71, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 71, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 71, 204);  
box-shadow:4px 4px 4px 4px rgb(178, 71,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3311, 0.2895, 0.1684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 71, 204) }
```

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

```
.background{ background-color: rgb(178, 71,  
204) }
```

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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