

Converting Colors

$Y_{xy}(18.2230, 0.3675, 0.2590)$

Have a look what the booklet for
Yxy(18.2230, 0.3675, 0.2590)
contains.

Yxy(18.2613, 0.3683, 0.2594)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.2613, 0.3683, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	AF5A8A
RGB	175, 90, 138
RGB Percent	69%, 35%, 54%
CMY	0.3136, 0.6471, 0.4588
CMYK	0.00, 0.49, 0.21, 0.31
HSL	326°, 35%, 52%
HSV	326°, 49%, 69%
XYZ	25.9277, 18.2613, 26.2093
YIQ	120.8870, 35.2520, 32.9480

Conversions

Conversions Part 2

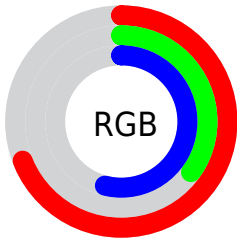
Format	Color
RYB	175, 90, 138
Decimal	11491978
CIELab	49.81, 40.60, -10.94
CIELCh	50, 42.052, 344.916
Yxy	18.2613, 0.3683, 0.2594
Android (android.graphics.Color)	4289682058 (0xFFAF5A8A)
YUV	120.8870, 8.4367, 47.4571
Hunter-Lab	42.7332, 33.5187, -6.4506

Details

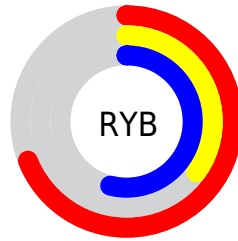
The Yxy color **18.2613, 0.3683, 0.2594** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **34.3743, 0.2809, 0.4130**, and the grayscale version is **19.0458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2634, 0.3564, 0.2740**, and **6.1487, 0.3896, 0.2341** is the 20% darker color. If you saturate the color by 10%, you get **15.4367, 0.3855, 0.2470**, and if you desaturate by 10%, it is **21.7982, 0.3532, 0.2734**.

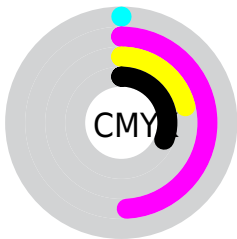
Distribution



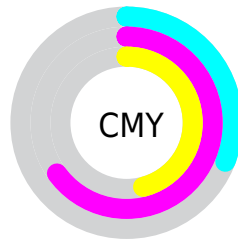
- Red (69%)
- Green (35%)
- Blue (54%)



- Red (69%)
- Yellow (35%)
- Blue (54%)



- Cyan (0%)
- Magenta (49%)
- Yellow (21%)
- Black (31%)





- Cyan (31%)
- Magenta (65%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2613, 0.3683, 0.2594 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 18.2613, 0.3683, 0.2594 by changing the saturation by 10% instead.


 18.2613, 0.3683,
0.2594


 18.2613, 0.3683,
0.2594


242.3398, 0.3373,
0.2975


 11.1377, 0.3773,
0.2487


 40.4821, 0.3561,
0.2741


 6.1596, 0.3898,
0.2340


 56.3481, 0.3518,
0.2794

 2.9423, 0.4082,
0.2131

 75.8970, 0.3483,
0.2837

 1.1017, 0.4376,
0.1811

 99.5133, 0.3454,
0.2874

 0.0000, 0.5685,
0.0000

127.5814, 0.3429,
0.2905

 0.0000, 0.0000,
0.0000

160.4855, 0.3407,

0.2932

198.6102, 0.3389,
0.2955

■ 18.2613, 0.3683,
0.2594

■ 18.2613, 0.3683,
0.2594

■ 15.4367, 0.3855,
0.2470

■ 21.7982, 0.3532,
0.2734

■ 13.2720, 0.4043,
0.2373

■ 26.0898, 0.3401,
0.2882

■ 11.7115, 0.4244,
0.2316


■ 31.1784, 0.3289,
0.3029

■ 10.6894, 0.4449,
0.2306

■ 37.1021, 0.3195,
0.3173

■ 10.0892, 0.4650,
0.2345

■ 43.8967, 0.3117,
0.3309

 10.0148, 0.4679,
0.2351

 51.5960, 0.3052,
0.3436

 60.2318, 0.2997,
0.3554

 69.8345, 0.2953,
0.3663

 80.4330, 0.2915,
0.3763

Harmonies

Analogous

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



18.2613, 0.2865, 0.2236



18.2613, 0.3683, 0.2594



18.2613, 0.4402, 0.3100

Triad

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



18.2613, 0.3683, 0.2594



18.2613, 0.3964, 0.4687



18.2613, 0.1762, 0.2585

Complementary

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



18.2613, 0.3683, 0.2594



34.3743, 0.2809, 0.4130

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.



18.2613, 0.1973, 0.3302



18.2613, 0.3683, 0.2594



18.2613, 0.3219, 0.4719

Square

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



18.2613, 0.3683, 0.2594



18.2613, 0.4525, 0.4250



18.2613, 0.2490, 0.4165



18.2613, 0.1848, 0.2188

Rectangle

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



18.2613, 0.3683, 0.2594



18.2613, 0.4667, 0.3480



18.2613, 0.2490, 0.4165



18.2613, 0.1798, 0.2791

Sweetspot

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



18.2622, 0.3683, 0.2594



59.1821, 0.3256, 0.3078



14.9055, 0.2599, 0.1925



12.6859, 0.3276, 0.3048



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.



18.2622, 0.3683, 0.2594



27.4545, 0.3862, 0.2465



17.2649, 0.4358, 0.3210



8.0883, 0.3201, 0.3163



7.1823, 0.4657, 0.2339



0.2105, 0.4111, 0.2038

Inverse Universe

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



18.2622, 0.3683, 0.2594



27.4545, 0.3862, 0.2465



35.7201, 0.2531, 0.3381



8.0883, 0.3201, 0.3163



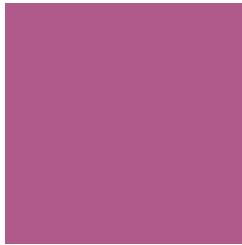
7.1823, 0.4657, 0.2339



0.2105, 0.4111, 0.2038

Previews

White Background



This preview shows how the Yxy color 18.2613, 0.3683, 0.2594 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 18.2613, 0.3683, 0.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

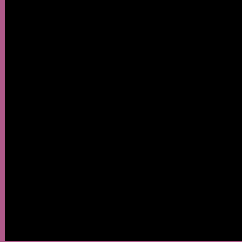
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2613, 0.3683, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 18.2613, 0.3683, 0.2594.



This preview shows how white text looks on a background with the Yxy color 18.2613, 0.3683, 0.2594.

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

18.2613, 0.3683, 0.2594

Protanopia

18.5793, 0.2610, 0.2587

Deuteranopia

18.4971, 0.3018, 0.2960



Tritanopia

18.3195, 0.4138, 0.3187

Trichromacy



Original Color

18.2613, 0.3683, 0.2594

Protanomaly

17.8327, 0.2935, 0.2568

Deuteranomaly

18.1043, 0.3256, 0.2812

Tritanomaly

18.1506, 0.3980, 0.2962

Monochromacy



Original Color

18.2613, 0.3683, 0.2594

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.3469, 0.3327, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2613, 0.3683, 0.2594 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, 90, 138)` looks like.

```
.text, #text, p{  
    color:rgb(175, 90, 138)  
}
```

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, 90, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 90, 138) }
```

Border

The CSS property to change the border of an element to Yxy 18.2613, 0.3683, 0.2594 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, 90, 138) }
```

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

```
.border{ border-color:rgb(175, 90, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 90, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 90, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 90, 138);  
box-shadow:4px 4px 4px 4px rgb(175, 90,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2613, 0.3683, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 90, 138) }
```

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

```
.background{ background-color: rgb(175, 90,  
138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor