

Converting Colors

$Y_{xy}(18.6488, 0.3809, 0.2872)$

Have a look what the booklet for
Yxy(18.6488, 0.3809, 0.2872)
contains.

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Color

Yxy(18.6880, 0.3801, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	AB617D
RGB	171, 97, 125
RGB Percent	67%, 38%, 49%
CMY	0.3295, 0.6195, 0.5098
CMYK	0.00, 0.43, 0.27, 0.33
HSL	337°, 31%, 53%
HSV	337°, 43%, 67%
XYZ	24.7675, 18.6880, 21.7049
YIQ	122.3180, 35.1160, 24.3960

Conversions

Conversions Part 2

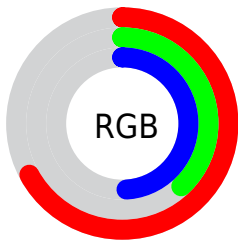
Format	Color
R_{YB}	171, 97, 125
Decimal	11231613
CIE Lab	50.32, 33.50, -2.49
CIE LCh	50, 33.592, 355.754
Yxy	18.6880, 0.3801, 0.2868
Android (android.graphics.Color)	4289421693 (0xFFAB617D)
YUV	122.3180, 1.3222, 42.6941
Hunter-Lab	43.2296, 26.6158, 0.4921

Details

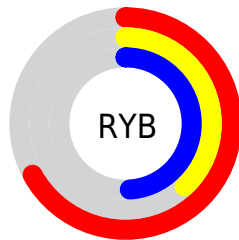
The Yxy color **18.6880, 0.3801, 0.2868** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **33.6426, 0.2738, 0.3768**, and the grayscale version is **19.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2032, 0.3643, 0.2956**, and **6.4176, 0.4095, 0.2710** is the 20% darker color. If you saturate the color by 10%, you get **15.6046, 0.4044, 0.2778**, and if you desaturate by 10%, it is **22.4833, 0.3594, 0.2967**.

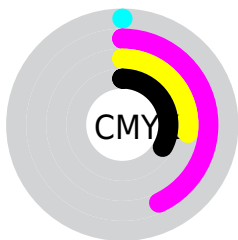
Distribution



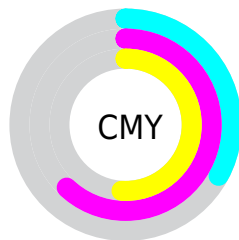
- Red (67%)
- Green (38%)
- Blue (49%)



- Red (67%)
- Yellow (38%)
- Blue (49%)



- Cyan (0%)
- Magenta (43%)
- Yellow (27%)
- Black (33%)





- Cyan (33%)
- Magenta (62%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6880, 0.3801, 0.2868 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 18.6880, 0.3801, 0.2868 by changing the saturation by 10% instead.


 18.6880, 0.3801,
0.2868


 18.6880, 0.3801,
0.2868


244.7209, 0.3416,
0.3107


 11.4451, 0.3918,
0.2797


 41.2062, 0.3647,
0.2963


 6.3670, 0.4083,
0.2697


 57.2503, 0.3594,
0.2996

 3.0695, 0.4333,
0.2548

 76.9968, 0.3550,
0.3023

 1.1681, 0.4756,
0.2302

 100.8303, 0.3514,
0.3045

 0.0354, 0.7745,
0.0322

129.1350, 0.3484,
0.3064

 0.0000, 0.0000,
0.0000

162.2954, 0.3458,

0.3080

200.6959, 0.3435,
0.3095

■ 18.6880, 0.3801,
0.2868

■ 18.6880, 0.3801,
0.2868

■ 15.6046, 0.4044,
0.2778

■ 22.4833, 0.3594,
0.2967

■ 13.1852, 0.4322,
0.2708

■ 27.0289, 0.3421,
0.3068

■ 11.3804, 0.4627,
0.2668


■ 32.3635, 0.3278,
0.3167

■ 10.1327, 0.4945,
0.2671


■ 38.5226, 0.3161,
0.3261

■ 9.3732, 0.5253,
0.2723


■ 45.5394, 0.3064,
0.3348

 9.0336, 0.5451,
0.2777

 53.4453, 0.2985,
0.3430

 62.2700, 0.2919,
0.3504

 72.0418, 0.2865,
0.3572

 82.7881, 0.2821,
0.3634

Harmonies

Analogous

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



18.6880, 0.3155, 0.2514



18.6880, 0.3801, 0.2868



18.6880, 0.4273, 0.3324

Triad

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



18.6880, 0.3801, 0.2868



18.6880, 0.3617, 0.4454



18.6880, 0.2003, 0.2588

Complementary

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



18.6880, 0.3801, 0.2868



33.6426, 0.2738, 0.3768

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.



18.6880, 0.2097, 0.3086



18.6880, 0.3801, 0.2868



18.6880, 0.2999, 0.4287

Square

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



18.6880, 0.3801, 0.2868



18.6880, 0.4133, 0.4237



18.6880, 0.2446, 0.3741



18.6880, 0.2164, 0.2337

Rectangle

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



18.6880, 0.3801, 0.2868



18.6880, 0.4394, 0.3650



18.6880, 0.2446, 0.3741



18.6880, 0.2006, 0.2727

Sweetspot

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



18.6889, 0.3801, 0.2868



58.0060, 0.3278, 0.3167



17.2985, 0.2831, 0.2140



12.4479, 0.3307, 0.3146



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



18.6889, 0.3801, 0.2868



28.1214, 0.4035, 0.2781



19.7542, 0.4172, 0.3425



8.0636, 0.3229, 0.3204



6.8215, 0.5426, 0.2763



0.2006, 0.4609, 0.2313

Inverse Universe

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



18.6889, 0.3801, 0.2868



28.1214, 0.4035, 0.2781



31.4456, 0.2527, 0.3146



8.0636, 0.3229, 0.3204



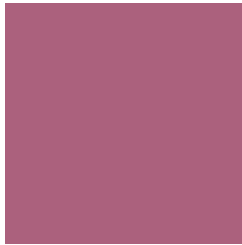
6.8215, 0.5426, 0.2763



0.2006, 0.4609, 0.2313

Previews

White Background



This preview shows how the Yxy color 18.6880, 0.3801, 0.2868 looks on a white background.

Color Contrast Check

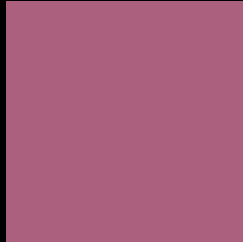
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.6880, 0.3801, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

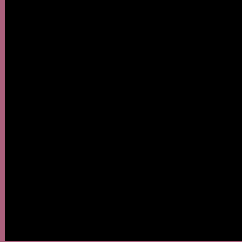
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6880, 0.3801, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 18.6880, 0.3801, 0.2868.



This preview shows how white text looks on a background with the Yxy color 18.6880, 0.3801, 0.2868.

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

18.6880, 0.3801, 0.2868

Protanopia

18.8396, 0.2882, 0.2920

Deuteranopia

18.7212, 0.3248, 0.3181



Tritanopia

18.6321, 0.4018, 0.3169

Trichromacy



Original Color

18.6880, 0.3801, 0.2868

Protanomaly

18.4085, 0.3185, 0.2888

Deuteranomaly

18.4783, 0.3450, 0.3050

Tritanomaly

18.6846, 0.3946, 0.3062

Monochromacy



Original Color

18.6880, 0.3801, 0.2868

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.8158, 0.3359, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6880, 0.3801, 0.2868 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(171, 97, 125)` looks like.

```
.text, #text, p{  
    color:rgb(171, 97, 125)  
}
```

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(171, 97, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 97, 125) }
```

Border

The CSS property to change the border of an element to Yxy 18.6880, 0.3801, 0.2868 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(171, 97, 125) }
```

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

```
.border{ border-color:rgb(171, 97, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 97, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 97, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 97, 125);  
box-shadow:4px 4px 4px 4px rgb(171, 97,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6880, 0.3801, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 97, 125) }
```

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

```
.background{ background-color: rgb(171, 97,  
125) }
```

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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