

Converting Colors

$Y_{xy}(16.7963, 0.3827, 0.2701)$

Have a look what the booklet for
Yxy(16.7963, 0.3827, 0.2701)
contains.

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Color

Yxy(16.8199, 0.3826, 0.2694)

Conversions

Conversions Part 1

Format	Color
Hex	AB567E
RGB	171, 86, 126
RGB Percent	67%, 34%, 49%
CMY	0.3294, 0.6627, 0.5059
CMYK	0.00, 0.50, 0.26, 0.33
HSL	332°, 34%, 50%
HSV	332°, 50%, 67%
XYZ	23.8875, 16.8199, 21.7273
YIQ	115.9750, 37.8200, 30.4600

Conversions

Conversions Part 2

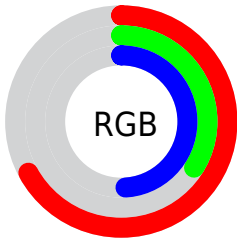
Format	Color
R_{YB}	171, 86, 126
Decimal	11228798
CIE Lab	48.03, 39.53, -6.47
CIE LCh	48, 40.060, 350.703
Yxy	16.8199, 0.3826, 0.2694
Android (android.graphics.Color)	4289418878 (0xFFAB567E)
YUV	115.9750, 4.9423, 48.2569
Hunter-Lab	41.0121, 32.1963, -2.7020

Details

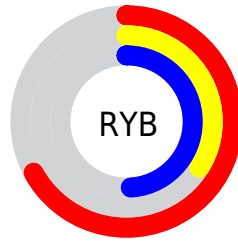
The Yxy color **16.8199, 0.3826, 0.2694** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **32.7412, 0.2749, 0.4000**, and the grayscale version is **17.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9256, 0.3659, 0.2819**, and **5.4509, 0.4121, 0.2457** is the 20% darker color. If you saturate the color by 10%, you get **14.1856, 0.4045, 0.2594**, and if you desaturate by 10%, it is **20.1302, 0.3635, 0.2811**.

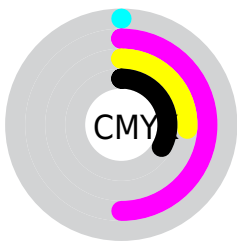
Distribution



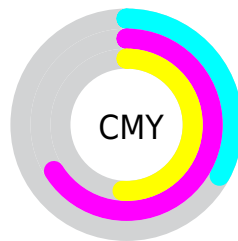
- Red (67%)
- Green (34%)
- Blue (49%)



- Red (67%)
- Yellow (34%)
- Blue (49%)



- Cyan (0%)
- Magenta (50%)
- Yellow (26%)
- Black (33%)





- Cyan (33%)
- Magenta (66%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8199, 0.3826, 0.2694 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 16.8199, 0.3826, 0.2694 by changing the saturation by 10% instead.


 16.8199, 0.3826,
0.2694


 16.8199, 0.3826,
0.2694

234.1324, 0.3425,
0.3029


 10.1062, 0.3948,
0.2595


 38.0159, 0.3665,
0.2826


 5.4694, 0.4121,
0.2458


 53.2669, 0.3610,
0.2873


 2.5252, 0.4385,
0.2255

 72.1324, 0.3565,
0.2911

 0.8892, 0.4830,
0.1927

 94.9970, 0.3527,
0.2942

 0.0000, 0.7788,
0.0000

 122.2448, 0.3496,
0.2969

 0.0000, 0.0000,
0.0000

154.2604, 0.3469,

0.2992

191.4281, 0.3445,
0.3012

■ 16.8199, 0.3826,
0.2694

■ 16.8199, 0.3826,
0.2694

■ 14.1856, 0.4045,
0.2594

■ 20.1302, 0.3635,
0.2811

■ 12.1769, 0.4288,
0.2521

■ 24.1572, 0.3471,
0.2935

■ 10.7403, 0.4547,
0.2488


■ 28.9413, 0.3334,
0.3059


■ 9.8121, 0.4809,
0.2504

■ 34.5191, 0.3220,
0.3179


■ 9.2586, 0.5063,
0.2565


■ 40.9250, 0.3125,
0.3293

 9.2435, 0.5071,
0.2567

 48.1912, 0.3046,
0.3400

 56.3481, 0.2981,
0.3498

 65.4249, 0.2928,
0.3589

 75.4490, 0.2883,
0.3672

Harmonies

Analogous

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



16.8199, 0.3019, 0.2308



16.8199, 0.3826, 0.2694



16.8199, 0.4472, 0.3211

Triad

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



16.8199, 0.3826, 0.2694



16.8199, 0.3818, 0.4705



16.8199, 0.1780, 0.2500

Complementary

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



16.8199, 0.3826, 0.2694



32.7412, 0.2749, 0.4000

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.



16.8199, 0.1931, 0.3147



16.8199, 0.3826, 0.2694



16.8199, 0.3075, 0.4625

Square

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



16.8199, 0.3826, 0.2694



16.8199, 0.4417, 0.4335



16.8199, 0.2385, 0.3990



16.8199, 0.1919, 0.2168

Rectangle

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



16.8199, 0.3826, 0.2694



16.8199, 0.4669, 0.3591



16.8199, 0.2385, 0.3990



16.8199, 0.1797, 0.2682

Sweetspot

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



16.8207, 0.3826, 0.2694



56.0883, 0.3281, 0.3113



14.3364, 0.2669, 0.1926



12.0624, 0.3305, 0.3088



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.



16.8207, 0.3826, 0.2694



24.8543, 0.4077, 0.2582



16.2148, 0.4481, 0.3315



8.0757, 0.3215, 0.3184



6.9792, 0.5048, 0.2555



0.2053, 0.4353, 0.2172

Inverse Universe

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



16.8207, 0.3826, 0.2694



24.8543, 0.4077, 0.2582



33.5104, 0.2483, 0.3265



8.0757, 0.3215, 0.3184



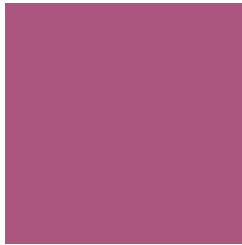
6.9792, 0.5048, 0.2555



0.2053, 0.4353, 0.2172

Previews

White Background



This preview shows how the Yxy color 16.8199, 0.3826, 0.2694 looks on a white background.

Color Contrast Check

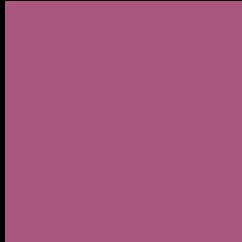
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8199, 0.3826, 0.2694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

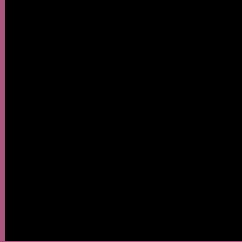
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8199, 0.3826, 0.2694

Background



This preview shows how black text looks on a background with the Yxy color 16.8199, 0.3826, 0.2694.



This preview shows how white text looks on a background with the Yxy color 16.8199, 0.3826, 0.2694.

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

16.8199, 0.3826, 0.2694

Protanopia

16.9497, 0.2711, 0.2703

Deuteranopia

16.9116, 0.3137, 0.3080



Tritanopia

16.8610, 0.4210, 0.3201

Trichromacy



Original Color

16.8199, 0.3826, 0.2694

Protanomaly

16.2525, 0.3062, 0.2680

Deuteranomaly

16.5083, 0.3384, 0.2918

Tritanomaly

16.8301, 0.4073, 0.3017

Monochromacy



Original Color

16.8199, 0.3826, 0.2694

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.6935, 0.3363, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8199, 0.3826, 0.2694 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, 86, 126)` looks like.

```
.text, #text, p{  
    color:rgb(171, 86, 126)  
}
```

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, 86, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 86, 126) }
```

Border

The CSS property to change the border of an element to Yxy 16.8199, 0.3826, 0.2694 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, 86, 126) }
```

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

```
.border{ border-color:rgb(171, 86, 126) }
```

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

Here you see how a box with a 4 pixel rgb(171, 86, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 86, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 86, 126);  
box-shadow:4px 4px 4px 4px rgb(171, 86,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8199, 0.3826, 0.2694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 86, 126) }
```

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

```
.background{ background-color: rgb(171, 86,  
126) }
```

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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