

Converting Colors

$Yxy(16.6049, 0.3849, 0.2829)$

Have a look what the booklet for
Yxy(16.6049, 0.3849, 0.2829)
contains.

Yxy(16.5837, 0.3857, 0.2826)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.5837, 0.3857, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	A65977
RGB	166, 89, 119
RGB Percent	65%, 35%, 47%
CMY	0.3489, 0.6511, 0.5333
CMYK	0.00, 0.46, 0.28, 0.35
HSL	337°, 30%, 50%
HSV	337°, 46%, 65%
XYZ	22.6339, 16.5837, 19.4650
YIQ	115.4430, 36.2620, 25.6540

Conversions

Conversions Part 2

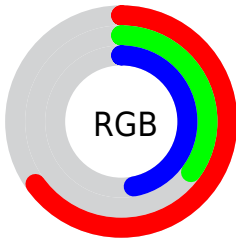
Format	Color
R_{YB}	166, 89, 119
Decimal	10901879
CIE _{Lab}	47.73, 35.21, -2.79
CIE _{LCh}	48, 35.322, 355.477
Yxy	16.5837, 0.3857, 0.2826
Android (android.graphics.Color)	4289091959 (0xFFA65977)
YUV	115.4430, 1.7536, 44.3385
Hunter-Lab	40.7231, 27.9448, 0.1664

Details

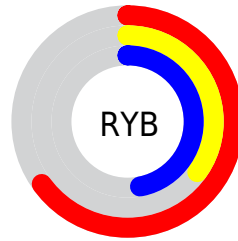
The Yxy color **16.5837, 0.3857, 0.2826** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **31.1851, 0.2723, 0.3825**, and the grayscale version is **17.2721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6780, 0.3687, 0.2937**, and **5.4173, 0.4174, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **13.8960, 0.4105, 0.2738**, and if you desaturate by 10%, it is **19.9221, 0.3644, 0.2926**.

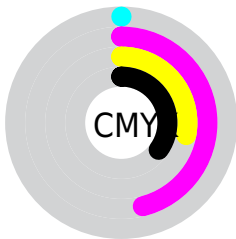
Distribution



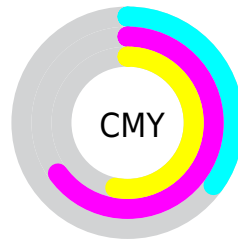
- Red (65%)
- Green (35%)
- Blue (47%)



- Red (65%)
- Yellow (35%)
- Blue (47%)



- Cyan (0%)
- Magenta (46%)
- Yellow (28%)
- Black (35%)




- Cyan (35%)
- Magenta (65%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5837, 0.3857, 0.2826 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 16.5837, 0.3857, 0.2826 by changing the saturation by 10% instead.


 16.5837, 0.3857,
0.2826

 16.5837, 0.3857,
0.2826


232.7618, 0.3433,
0.3092


 9.9381, 0.3989,
0.2745


 37.6086, 0.3686,
0.2933


 5.3580, 0.4178,
0.2630

 52.7567, 0.3627,
0.2970

 2.4588, 0.4471,
0.2454

 71.5078, 0.3579,
0.3000

 0.8559, 0.4981,
0.2157

 94.2463, 0.3540,
0.3025

 0.0000, 1.0000,
0.0000

121.3566, 0.3507,
0.3046

 0.0000, 0.0000,
0.0000

153.2230, 0.3479,

0.3063

190.2299, 0.3454,
0.3079

■ 16.5837, 0.3857,
0.2826

■ 16.5837, 0.3857,
0.2826

■ 13.8960, 0.4105,
0.2738

■ 19.9221, 0.3644,
0.2926

■ 11.8132, 0.4385,
0.2673

■ 23.9481, 0.3465,
0.3029

■ 10.2878, 0.4688,
0.2643

■ 28.6985, 0.3317,
0.3132

■ 9.2634, 0.4999,
0.2658

■ 34.2070, 0.3194,
0.3230

■ 8.6618, 0.5295,
0.2722

■ 40.5049, 0.3093,
0.3322

■ 8.4890, 0.5400,
0.2749

■ 47.6219, 0.3010,
0.3408

■ 55.5863, 0.2942,
0.3487

■ 64.4247, 0.2886,
0.3559

■ 74.1627, 0.2839,
0.3625

Harmonies

Analogous

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



16.5837, 0.3148, 0.2448



16.5837, 0.3857, 0.2826



16.5837, 0.4378, 0.3313

Triad

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



16.5837, 0.3857, 0.2826



16.5837, 0.3658, 0.4565



16.5837, 0.1912, 0.2525

Complementary

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



16.5837, 0.3857, 0.2826



31.1851, 0.2723, 0.3825

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.



16.5837, 0.2012, 0.3065



16.5837, 0.3857, 0.2826



16.5837, 0.2986, 0.4396

Square

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



16.5837, 0.3857, 0.2826



16.5837, 0.4220, 0.4308



16.5837, 0.2388, 0.3791



16.5837, 0.2082, 0.2258

Rectangle

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



16.5837, 0.3857, 0.2826



16.5837, 0.4511, 0.3663



16.5837, 0.2388, 0.3791



16.5837, 0.1915, 0.2675

Sweetspot

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



16.5845, 0.3857, 0.2826



54.0901, 0.3288, 0.3153



15.0646, 0.2788, 0.2050



11.6634, 0.3316, 0.3132



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.5845, 0.3857, 0.2826



24.9382, 0.4121, 0.2734



17.3231, 0.4292, 0.3414



7.5889, 0.3227, 0.3202



6.5885, 0.5377, 0.2736



0.1704, 0.4513, 0.2260

Inverse Universe

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



16.5845, 0.3857, 0.2826



24.9382, 0.4121, 0.2734



29.4432, 0.2497, 0.3156



7.5889, 0.3227, 0.3202



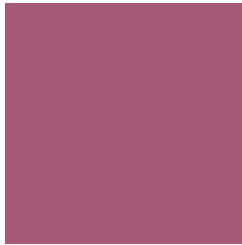
6.5885, 0.5377, 0.2736



0.1704, 0.4513, 0.2260

Previews

White Background



This preview shows how the Yxy color 16.5837, 0.3857, 0.2826 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 16.5837, 0.3857, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

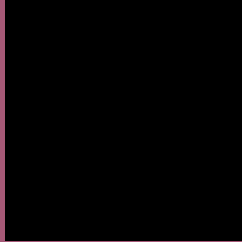
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5837, 0.3857, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 16.5837, 0.3857, 0.2826.



This preview shows how white text looks on a background with the Yxy color 16.5837, 0.3857, 0.2826.

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

16.5837, 0.3857, 0.2826

Protanopia

16.8465, 0.2848, 0.2884

Deuteranopia

16.6748, 0.3253, 0.3194



Tritanopia

16.6221, 0.4132, 0.3198

Trichromacy



Original Color

16.5837, 0.3857, 0.2826

Protanomaly

16.2314, 0.3162, 0.2833

Deuteranomaly

16.2527, 0.3468, 0.3039

Tritanomaly

16.6942, 0.4038, 0.3072

Monochromacy



Original Color

16.5837, 0.3857, 0.2826

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.6374, 0.3387, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5837, 0.3857, 0.2826 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, 89, 119)` looks like.

```
.text, #text, p{  
    color:rgb(166, 89, 119)  
}
```

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, 89, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 89, 119) }
```

Border

The CSS property to change the border of an element to Yxy 16.5837, 0.3857, 0.2826 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, 89, 119) }
```

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

```
.border{ border-color:rgb(166, 89, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 89, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 89, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 89, 119);  
box-shadow:4px 4px 4px 4px rgb(166, 89,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5837, 0.3857, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 89, 119) }
```

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

```
.background{ background-color: rgb(166, 89,  
119) }
```

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