

Converting Colors

$Y_{xy}(16.6843, 0.3576, 0.2749)$

Have a look what the booklet for
Yxy(16.6843, 0.3576, 0.2749)
contains.

Yxy(16.7058, 0.3587, 0.2757)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7058, 0.3587, 0.2757)

Conversions

Conversions Part 1

Format	Color
Hex	9D5E7F
RGB	157, 94, 127
RGB Percent	62%, 37%, 50%
CMY	0.3844, 0.6313, 0.5020
CMYK	0.00, 0.40, 0.19, 0.38
HSL	329°, 25%, 49%
HSV	329°, 40%, 62%
XYZ	21.7351, 16.7058, 22.1532
YIQ	116.5990, 26.9550, 23.6190

Conversions

Conversions Part 2

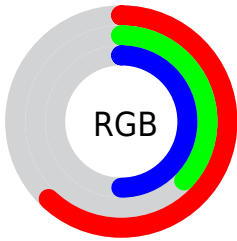
Format	Color
R _Y B	157, 94, 127
Decimal	10313343
CIE Lab	47.89, 30.38, -7.48
CIE LCh	48, 31.290, 346.168
Yxy	16.7058, 0.3587, 0.2757
Android (android.graphics.Color)	4288503423 (0xFF9D5E7F)
YUV	116.5990, 5.1277, 35.4317
Hunter-Lab	40.8727, 23.3946, -3.5245

Details

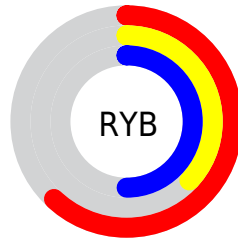
The Yxy color **16.7058, 0.3587, 0.2757** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.9447, 0.2835, 0.3900**, and the grayscale version is **17.6370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9992, 0.3480, 0.2878**, and **5.4471, 0.3777, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **14.0046, 0.3756, 0.2629**, and if you desaturate by 10%, it is **19.9909, 0.3442, 0.2893**.

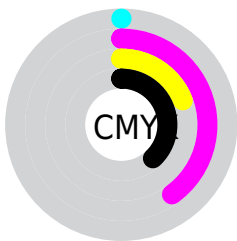
Distribution



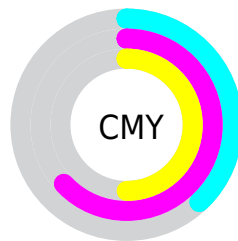
- Red (62%)
- Green (37%)
- Blue (50%)



- Red (62%)
- Yellow (37%)
- Blue (50%)



- Cyan (0%)
- Magenta (40%)
- Yellow (19%)
- Black (38%)





- Cyan (38%)
- Magenta (63%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7058, 0.3587, 0.2757 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 16.7058, 0.3587, 0.2757 by changing the saturation by 10% instead.


 16.7058, 0.3587,
0.2757


 16.7058, 0.3587,
0.2757

233.4712, 0.3324,
0.3057


 10.0250, 0.3667,
0.2668


 37.8192, 0.3482,
0.2876


 5.4155, 0.3780,
0.2544


 53.0206, 0.3445,
0.2917

 2.4931, 0.3953,
0.2359

 71.8310, 0.3416,
0.2951

 0.8732, 0.4247,
0.2057

 94.6347, 0.3391,
0.2980

 0.0000, 0.6593,
0.0000

121.8162, 0.3370,
0.3004

 0.0000, 0.0000,
0.0000

153.7599, 0.3353,

0.3024

190.8501, 0.3337,
0.3042

■ 16.7058, 0.3587,
0.2757

■ 16.7058, 0.3587,
0.2757

■ 14.0046, 0.3756,
0.2629

■ 19.9909, 0.3442,
0.2893

■ 11.8499, 0.3947,
0.2517

■ 23.8896, 0.3318,
0.3029

■ 10.2039, 0.4159,
0.2433


■ 28.4323, 0.3215,
0.3162


■ 9.0226, 0.4383,
0.2388

■ 33.6467, 0.3128,
0.3289

■ 8.2545, 0.4611,
0.2393

■ 39.5591, 0.3056,
0.3407

 7.7788, 0.4834,
0.2437

 46.1940, 0.2997,
0.3517

 53.5750, 0.2947,
0.3618

 61.7244, 0.2906,
0.3711

 70.6639, 0.2872,
0.3796

Harmonies

Analogous

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



16.7058, 0.2958, 0.2457



16.7058, 0.3587, 0.2757



16.7058, 0.4121, 0.3177

Triad

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



16.7058, 0.3587, 0.2757



16.7058, 0.3783, 0.4383



16.7058, 0.2038, 0.2741

Complementary

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



16.7058, 0.3587, 0.2757



27.9447, 0.2835, 0.3900

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.



16.7058, 0.2210, 0.3289



16.7058, 0.3587, 0.2757



16.7058, 0.3198, 0.4348

Square

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



16.7058, 0.3587, 0.2757



16.7058, 0.4215, 0.4092



16.7058, 0.2624, 0.3920



16.7058, 0.2116, 0.2418

Rectangle

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



16.7058, 0.3587, 0.2757



16.7058, 0.4317, 0.3491



16.7058, 0.2624, 0.3920



16.7058, 0.2067, 0.2902

Sweetspot

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



16.7066, 0.3587, 0.2757



49.1072, 0.3235, 0.3135



14.6824, 0.2743, 0.2199



10.5882, 0.3247, 0.3119



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.7066, 0.3587, 0.2757



25.6084, 0.3734, 0.2643



16.0212, 0.4072, 0.3258



6.7013, 0.3206, 0.3173



6.3267, 0.4818, 0.2428



0.1217, 0.4043, 0.2001

Inverse Universe

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



16.7066, 0.3587, 0.2757



25.6084, 0.3734, 0.2643



28.8519, 0.2602, 0.3325



6.7013, 0.3206, 0.3173



6.3267, 0.4818, 0.2428



0.1217, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 16.7058, 0.3587, 0.2757 looks on a white background.

Color Contrast Check

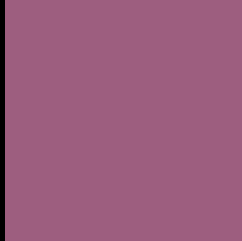
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7058, 0.3587, 0.2757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

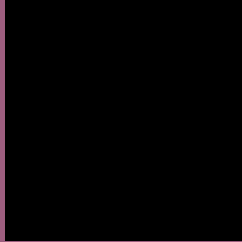
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.7058, 0.3587, 0.2757

Background



This preview shows how black text looks on a background with the Yxy color 16.7058, 0.3587, 0.2757.



This preview shows how white text looks on a background with the Yxy color 16.7058, 0.3587, 0.2757.

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

16.7058, 0.3587, 0.2757

Protanopia

16.8625, 0.2773, 0.2791

Deuteranopia

16.8891, 0.3099, 0.3042



Tritanopia

16.7238, 0.3879, 0.3175

Trichromacy



Original Color

16.7058, 0.3587, 0.2757

Protanomaly

16.4930, 0.3033, 0.2759

Deuteranomaly

16.6522, 0.3268, 0.2928

Tritanomaly

16.8096, 0.3775, 0.3027

Monochromacy



Original Color

16.7058, 0.3587, 0.2757

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2233, 0.3286, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7058, 0.3587, 0.2757 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(157, 94, 127)` looks like.

```
.text, #text, p{  
  color:rgb(157, 94, 127)  
}
```

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(157, 94, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 94, 127) }
```

Border

The CSS property to change the border of an element to Yxy 16.7058, 0.3587, 0.2757 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(157, 94, 127) }
```

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

```
.border{ border-color:rgb(157, 94, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 94, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 94, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 94, 127); box-shadow:4px 4px 4px 4px rgb(157, 94, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7058, 0.3587, 0.2757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 94, 127) }
```

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

```
.background{ background-color: rgb(157, 94,  
127) }
```

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