

Converting Colors

$Y_{xy}(16.9604, 0.3318, 0.2689)$

Have a look what the booklet for
Yxy(16.9604, 0.3318, 0.2689)
contains.

Yxy(16.8760, 0.3322, 0.2686)	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(16.8760, 0.3322, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	936387
RGB	147, 99, 135
RGB Percent	58%, 39%, 53%
CMY	0.4234, 0.6118, 0.4706
CMYK	0.00, 0.33, 0.08, 0.42
HSL	315°, 20%, 48%
HSV	315°, 33%, 58%
XYZ	20.8720, 16.8760, 25.0815
YIQ	117.4560, 17.0520, 21.3720

Conversions

Conversions Part 2

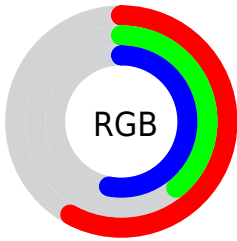
Format	Color
R_{YB}	147, 99, 135
Decimal	9659271
CIE Lab	48.10, 25.35, -12.08
CIE LCh	48, 28.078, 334.523
Yxy	16.8760, 0.3322, 0.2686
Android (android.graphics.Color)	4287849351 (0xFF936387)
YUV	117.4560, 8.6492, 25.9101
Hunter-Lab	41.0804, 18.8008, -7.4431

Details

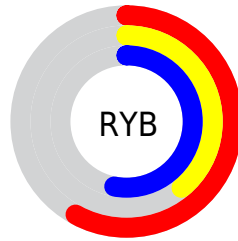
The Yxy color **16.8760, 0.3322, 0.2686** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.6768, 0.2978, 0.3983**, and the grayscale version is **17.9073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0001, 0.3287, 0.2817**, and **5.4564, 0.3390, 0.2452** is the 20% darker color. If you saturate the color by 10%, you get **14.2384, 0.3400, 0.2502**, and if you desaturate by 10%, it is **20.0259, 0.3253, 0.2875**.

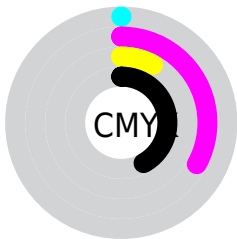
Distribution



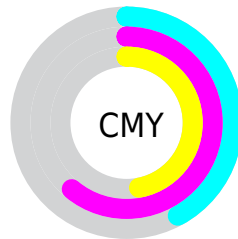
- Red (58%)
- Green (39%)
- Blue (53%)



- Red (58%)
- Yellow (39%)
- Blue (53%)



- Cyan (0%)
- Magenta (33%)
- Yellow (8%)
- Black (42%)




- Cyan (42%)
- Magenta (61%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8760, 0.3322, 0.2686 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 16.8760, 0.3322, 0.2686 by changing the saturation by 10% instead.


 16.8760, 0.3322,
0.2686


 16.8760, 0.3322,
0.2686


234.4568, 0.3215,
0.3023


 10.1461, 0.3352,
0.2588


 38.1125, 0.3281,
0.2818


 5.4959, 0.3393,
0.2452


 53.3878, 0.3266,
0.2865

 2.5411, 0.3451,
0.2253

 72.2805, 0.3254,
0.2903

 0.8971, 0.3539,
0.1934

 95.1748, 0.3244,
0.2935

 0.0000, 0.4050,
0.0000

122.4552, 0.3235,
0.2962

 0.0000, 0.0000,
0.0000

154.5061, 0.3227,

0.2985

191.7118, 0.3221,
0.3006

■ 16.8760, 0.3322,
0.2686

■ 16.8760, 0.3322,
0.2686

■ 14.2384, 0.3400,
0.2502

■ 20.0259, 0.3253,
0.2875

■ 12.0833, 0.3487,
0.2331

■ 23.7113, 0.3192,
0.3062

■ 10.3812, 0.3580,
0.2182


■ 27.9567, 0.3140,
0.3243


■ 9.0984, 0.3678,
0.2064


■ 32.7846, 0.3095,
0.3415

■ 8.1967, 0.3778,
0.1987

■ 38.2161, 0.3057,
0.3577

 7.6306, 0.3876,
0.1955

 44.2713, 0.3026,
0.3726

 7.3368, 0.3948,
0.1948

 50.9693, 0.2999,
0.3865

 58.3283, 0.2976,
0.3992

 66.3661, 0.2958,
0.4108

Harmonies

Analogous

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



16.8760, 0.2776, 0.2469



16.8760, 0.3322, 0.2686



16.8760, 0.3854, 0.3036

Triad

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



16.8760, 0.3322, 0.2686



16.8760, 0.3896, 0.4200



16.8760, 0.2175, 0.2975

Complementary

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



16.8760, 0.3322, 0.2686



24.6768, 0.2978, 0.3983

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.



16.8760, 0.2425, 0.3514



16.8760, 0.3322, 0.2686



16.8760, 0.3409, 0.4285

Square

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



16.8760, 0.3322, 0.2686



16.8760, 0.4190, 0.3877



16.8760, 0.2870, 0.4030



16.8760, 0.2157, 0.2595

Rectangle

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



16.8760, 0.3322, 0.2686



16.8760, 0.4105, 0.3313



16.8760, 0.2870, 0.4030



16.8760, 0.2233, 0.3143

Sweetspot

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



16.8768, 0.3322, 0.2686



44.2264, 0.3178, 0.3107



14.4084, 0.2704, 0.2392



9.8838, 0.3185, 0.3084



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.8768, 0.3322, 0.2686



26.7539, 0.3377, 0.2554



16.2749, 0.3668, 0.3082



5.8846, 0.3173, 0.3126



6.3618, 0.3943, 0.1946



0.0826, 0.3542, 0.1725

Inverse Universe

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



16.8768, 0.3322, 0.2686



26.7539, 0.3377, 0.2554



25.2787, 0.2772, 0.3511



5.8846, 0.3173, 0.3126



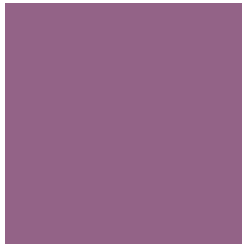
6.3618, 0.3943, 0.1946



0.0826, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 16.8760, 0.3322, 0.2686 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 16.8760, 0.3322, 0.2686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

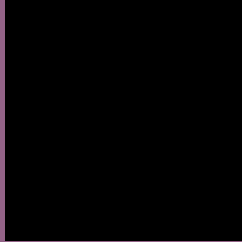
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8760, 0.3322, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 16.8760, 0.3322, 0.2686.



This preview shows how white text looks on a background with the Yxy color 16.8760, 0.3322, 0.2686.

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

16.8760, 0.3322, 0.2686

Protanopia

16.9804, 0.2701, 0.2686

Deuteranopia

17.0637, 0.2943, 0.2892



Tritanopia

16.7775, 0.3609, 0.3150

Trichromacy



Original Color

16.8760, 0.3322, 0.2686

Protanomaly

16.7858, 0.2913, 0.2687

Deuteranomaly

16.8258, 0.3071, 0.2799

Tritanomaly

16.8786, 0.3497, 0.2978

Monochromacy



Original Color

16.8760, 0.3322, 0.2686

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.1963, 0.3193, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8760, 0.3322, 0.2686 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(147, 99, 135)` looks like.

```
.text, #text, p{  
  color:rgb(147, 99, 135)  
}
```

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(147, 99, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 99, 135) }
```

Border

The CSS property to change the border of an element to Yxy 16.8760, 0.3322, 0.2686 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(147, 99, 135) }
```

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

```
.border{ border-color:rgb(147, 99, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 99, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 99, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 99, 135);  
box-shadow:4px 4px 4px 4px rgb(147, 99,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8760, 0.3322, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 99, 135) }
```

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

```
.background{ background-color: rgb(147, 99,  
135) }
```

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