

Converting Colors

$Y_{xy}(16.7438, 0.3155, 0.2625)$

Have a look what the booklet for
Yxy(16.7438, 0.3155, 0.2625)
contains.

Yxy(16.7763, 0.3158, 0.2623)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7763, 0.3158, 0.2623)

Conversions

Conversions Part 1

Format	Color
Hex	8C658C
RGB	140, 101, 140
RGB Percent	55%, 40%, 55%
CMY	0.4511, 0.6038, 0.4510
CMYK	0.00, 0.28, 0.00, 0.45
HSL	300°, 16%, 47%
HSV	300°, 28%, 55%
XYZ	20.1981, 16.7763, 26.9841
YIQ	117.1070, 10.7250, 20.3970

Conversions

Conversions Part 2

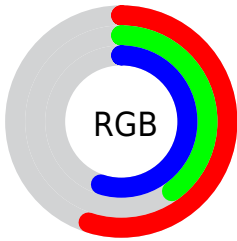
Format	Color
R _Y B	140, 101, 140
Decimal	9201036
CIE Lab	47.98, 22.61, -15.32
CIE LCh	48, 27.313, 325.879
Yxy	16.7763, 0.3158, 0.2623
Android (android.graphics.Color)	4287391116 (0xFF8C658C)
YUV	117.1070, 11.2862, 20.0772
Hunter-Lab	40.9589, 16.3458, -10.3896

Details

The Yxy color **16.7763, 0.3158, 0.2623** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.4657, 0.3091, 0.4061**, and the grayscale version is **17.7859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8208, 0.3152, 0.2759**, and **5.4082, 0.3150, 0.2353** is the 20% darker color. If you saturate the color by 10%, you get **14.2844, 0.3169, 0.2389**, and if you desaturate by 10%, it is **19.7328, 0.3147, 0.2864**.

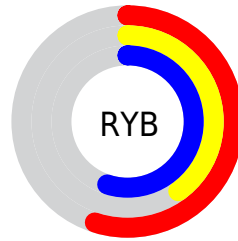
Distribution



Red (55%)

Green (40%)

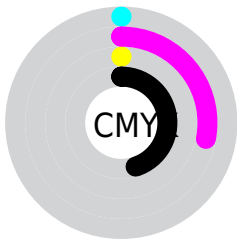
Blue (55%)



Red (55%)

Yellow (40%)

Blue (55%)

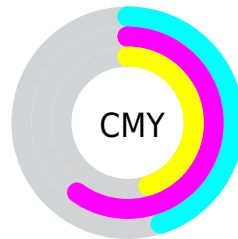


Cyan (0%)

Magenta (28%)

Yellow (0%)

Black (45%)



Cyan (45%)


Magenta (60%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7763, 0.3158, 0.2623 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 16.7763, 0.3158, 0.2623 by changing the saturation by 10% instead.


 16.7763, 0.3158,
0.2623


 16.7763, 0.3158,
0.2623


233.8799, 0.3147,
0.2995


 10.0751, 0.3158,
0.2515


 37.9408, 0.3156,
0.2768


 5.4488, 0.3155,
0.2367


 53.1728, 0.3154,
0.2820

 2.5129, 0.3146,
0.2151

 72.0173, 0.3153,
0.2862

 0.8831, 0.3115,
0.1810

 94.8586, 0.3152,
0.2897

 0.0000, 0.2907,
0.0000

122.0812, 0.3150,
0.2927

 0.0000, 0.0000,
0.0000

154.0693, 0.3149,

0.2953

191.2074, 0.3148,
0.2975

■ 16.7763, 0.3158,
0.2623

■ 16.7763, 0.3158,
0.2623

■ 14.2844, 0.3169,
0.2389

■ 19.7328, 0.3147,
0.2864

■ 12.2315, 0.3179,
0.2169

■ 23.1736, 0.3136,
0.3105

■ 10.5927, 0.3188,
0.1974


■ 27.1197, 0.3125,
0.3340


■ 9.3400, 0.3195,
0.1812


■ 31.5905, 0.3114,
0.3563


■ 8.4417, 0.3201,
0.1686


■ 36.6042, 0.3105,
0.3773

 7.8611, 0.3205,
0.1601


 42.1781, 0.3096,
0.3968

 7.5241, 0.3207,
0.1550

 48.3288, 0.3087,
0.4146

 7.4584, 0.3207,
0.1540

 55.0723, 0.3080,
0.4309

 62.4238, 0.3073,
0.4457

Harmonies

Analogous

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



16.7763, 0.2652, 0.2457



16.7763, 0.3158, 0.2623



16.7763, 0.3699, 0.2934

Triad

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



16.7763, 0.3158, 0.2623



16.7763, 0.3986, 0.4105



16.7763, 0.2245, 0.3125

Complementary

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



16.7763, 0.3158, 0.2623



22.4657, 0.3091, 0.4061

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.



16.7763, 0.2551, 0.3666



16.7763, 0.3158, 0.2623



16.7763, 0.3552, 0.4267

Square

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



16.7763, 0.3158, 0.2623



16.7763, 0.4195, 0.3752



16.7763, 0.3025, 0.4114



16.7763, 0.2161, 0.2699

Rectangle

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



16.7763, 0.3158, 0.2623



16.7763, 0.3989, 0.3194



16.7763, 0.3025, 0.4114



16.7763, 0.2324, 0.3301

Sweetspot

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



16.7770, 0.3158, 0.2623



40.6452, 0.3136, 0.3098



14.0991, 0.2662, 0.2533



9.1624, 0.3138, 0.3065



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



16.7770, 0.3158, 0.2623



26.9105, 0.3164, 0.2484



16.2709, 0.3412, 0.2932



5.1288, 0.3137, 0.3074



6.6272, 0.3207, 0.1540



0.0441, 0.3208, 0.1541

Inverse Universe

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



15.8271, 0.3706, 0.3291



24.9676, 0.3878, 0.3291



22.8765, 0.2915, 0.3678



5.0487, 0.3280, 0.3290



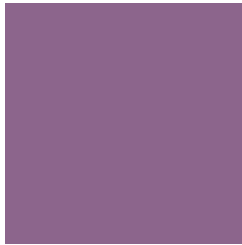
4.9543, 0.6399, 0.3299



0.0329, 0.6393, 0.3295

Previews

White Background



This preview shows how the Yxy color 16.7763, 0.3158, 0.2623 looks on a white background.

Color Contrast Check

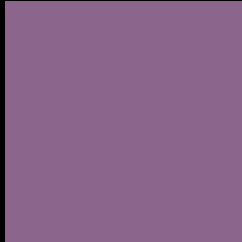
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7763, 0.3158, 0.2623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

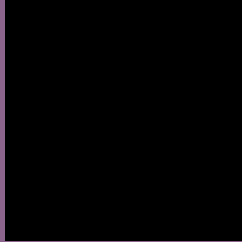
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7763, 0.3158, 0.2623

Background



This preview shows how black text looks on a background with the Yxy color 16.7763, 0.3158, 0.2623.



This preview shows how white text looks on a background with the Yxy color 16.7763, 0.3158, 0.2623.

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

16.7763, 0.3158, 0.2623

Protanopia

16.9516, 0.2651, 0.2632

Deuteranopia

16.9340, 0.2840, 0.2797



Tritanopia

16.7572, 0.3442, 0.3145

Trichromacy



Original Color

16.7763, 0.3158, 0.2623

Protanomaly

16.8332, 0.2822, 0.2631

Deuteranomaly

16.8002, 0.2948, 0.2723

Tritanomaly

16.6491, 0.3338, 0.2949

Monochromacy



Original Color

16.7763, 0.3158, 0.2623

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2095, 0.3139, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7763, 0.3158, 0.2623 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(140, 101, 140)` looks like.

```
.text, #text, p{  
    color:rgb(140, 101, 140)  
}
```

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(140, 101, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 101, 140) }
```

Border

The CSS property to change the border of an element to Yxy 16.7763, 0.3158, 0.2623 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(140, 101, 140) }
```

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

```
.border{ border-color:rgb(140, 101, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 101, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 101, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 101, 140);  
box-shadow:4px 4px 4px 4px rgb(140, 101,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7763, 0.3158, 0.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 101, 140) }
```

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

```
.background{ background-color: rgb(140,  
101, 140) }
```

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