

# Converting Colors

$Y_{xy}(19.3370, 0.3405, 0.2685)$

Have a look what the booklet for  
Yxy(19.3370, 0.3405, 0.2685)  
contains.

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# Color

**Yxy(19.2306, 0.3408, 0.2683)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1678E
RGB	161, 103, 142
RGB Percent	63%, 40%, 56%
CMY	0.3687, 0.5960, 0.4431
CMYK	0.00, 0.36, 0.12, 0.37
HSL	320°, 24%, 52%
HSV	320°, 36%, 63%
XYZ	24.4271, 19.2306, 28.0180
YIQ	124.7880, 22.0490, 24.4250

# Conversions

## Conversions Part 2

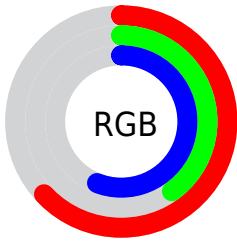
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 103, 142
Decimal	10577806
CIE <sub>Lab</sub>	50.96, 29.29, -11.77
CIE <sub>LCh</sub>	51, 31.566, 338.109
Yxy	19.2306, 0.3408, 0.2683
Android (android.graphics.Color)	4288767886 (0xFFA1678E)
YUV	124.7880, 8.4855, 31.7579
Hunter-Lab	43.8527, 22.6869, -7.1842

# Details

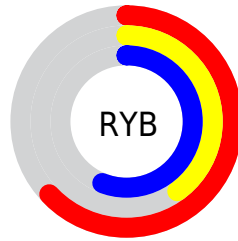
The Yxy color **19.2306, 0.3408, 0.2683** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.7700, 0.2928, 0.3990**, and the grayscale version is **20.3994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1799, 0.3349, 0.2808**, and **6.5992, 0.3503, 0.2450** is the 20% darker color. If you saturate the color by 10%, you get **16.1764, 0.3515, 0.2517**, and if you desaturate by 10%, it is **22.9105, 0.3314, 0.2855**.

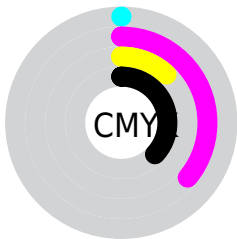
# Distribution



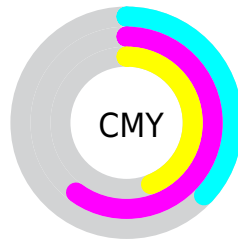
- Red (63%)
- Green (40%)
- Blue (56%)



- Red (63%)
- Yellow (40%)
- Blue (56%)



- Cyan (0%)
- Magenta (36%)
- Yellow (12%)
- Black (37%)




- Cyan (37%)
- Magenta (60%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2306, 0.3408, 0.2683 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 19.2306, 0.3408, 0.2683 by changing the saturation by 10% instead.





 19.2306, 0.3408,  
0.2683


 19.2306, 0.3408,  
0.2683


247.7189, 0.3254,  
0.3015


 11.8370, 0.3451,  
0.2589


 42.1234, 0.3349,  
0.2811


 6.6328, 0.3510,  
0.2462


 58.3914, 0.3328,  
0.2857

 3.2335, 0.3594,  
0.2279

 78.3863, 0.3310,  
0.2895

 1.2548, 0.3725,  
0.1996

 102.4926, 0.3295,  
0.2927

 0.1058, 0.4386,  
0.0569

131.0946, 0.3283,  
0.2954

 0.0000, 0.0000,  
0.0000

164.5767, 0.3272,

0.2977

203.3233, 0.3263,  
0.2997

■ 19.2306, 0.3408,  
0.2683

■ 19.2306, 0.3408,  
0.2683

■ 16.1764, 0.3515,  
0.2517

■ 22.9105, 0.3314,  
0.2855

■ 13.7098, 0.3635,  
0.2366

■ 27.2464, 0.3233,  
0.3027

■ 11.7923, 0.3765,  
0.2240


■ 32.2694, 0.3164,  
0.3194


■ 10.3799, 0.3902,  
0.2149


■ 38.0083, 0.3105,  
0.3352


■ 9.4219, 0.4043,  
0.2102


■ 44.4898, 0.3056,  
0.3501

 8.8485, 0.4181,  
0.2102

 51.7396, 0.3014,  
0.3639

 8.6633, 0.4237,  
0.2108

 59.7820, 0.2980,  
0.3767

 68.6401, 0.2951,  
0.3884

 78.3363, 0.2928,  
0.3991

# Harmonies

## Analogous

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



19.2306, 0.2813, 0.2433



19.2306, 0.3408, 0.2683



19.2306, 0.3967, 0.3066

# Triad

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



19.2306, 0.3408, 0.2683



19.2306, 0.3894, 0.4293



19.2306, 0.2095, 0.2887

# Complementary

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



19.2306, 0.3408, 0.2683



29.7700, 0.2928, 0.3990

# 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.



19.2306, 0.2329, 0.3456



19.2306, 0.3408, 0.2683



19.2306, 0.3355, 0.4353

# Square

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



19.2306, 0.3408, 0.2683



19.2306, 0.4245, 0.3962



19.2306, 0.2782, 0.4035



19.2306, 0.2105, 0.2510



# Rectangle

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



19.2306, 0.3408, 0.2683



19.2306, 0.4215, 0.3364



19.2306, 0.2782, 0.4035



19.2306, 0.2146, 0.3061

# Sweetspot

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



19.2315, 0.3408, 0.2683



52.9735, 0.3198, 0.3108



16.3679, 0.2690, 0.2291



11.3732, 0.3207, 0.3087



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



19.2315, 0.3408, 0.2683



30.0902, 0.3490, 0.2553



18.4851, 0.3809, 0.3120



7.1626, 0.3185, 0.3140



6.9293, 0.4226, 0.2102



0.1537, 0.3781, 0.1856



# Inverse Universe

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



19.2315, 0.3408, 0.2683



30.0902, 0.3490, 0.2553



30.5785, 0.2710, 0.3471



7.1626, 0.3185, 0.3140



6.9293, 0.4226, 0.2102

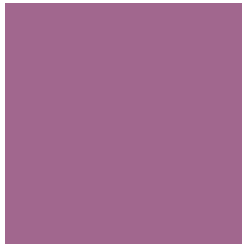


0.1537, 0.3781, 0.1856



# Previews

## White Background



This preview shows how the Yxy color 19.2306, 0.3408, 0.2683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

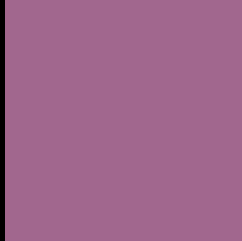
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 19.2306, 0.3408, 0.2683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

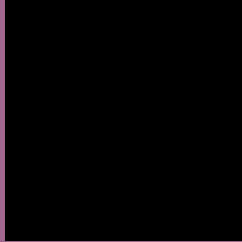
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 19.2306, 0.3408, 0.2683**

## Background



This preview shows how black text looks on a background with the Yxy color 19.2306, 0.3408, 0.2683.



This preview shows how white text looks on a background with the Yxy color 19.2306, 0.3408, 0.2683.

# 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

19.2306, 0.3408, 0.2683

### Protanopia

19.2767, 0.2692, 0.2681

### Deuteranopia

19.4177, 0.2975, 0.2930



## Tritanopia

19.2552, 0.3712, 0.3161

# Trichromacy



## Original Color

19.2306, 0.3408, 0.2683

## Protanomaly

18.9825, 0.2914, 0.2668

## Deuteranomaly

19.1070, 0.3124, 0.2826

## Tritanomaly

19.1597, 0.3607, 0.2985

# Monochromacy



## Original Color

19.2306, 0.3408, 0.2683

## Achromatopsia

20.5079, 0.3127, 0.3290

## Achromatomaly

19.7645, 0.3227, 0.3046

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.2306, 0.3408, 0.2683 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(161, 103, 142)` looks like.

```
.text, #text, p{  
    color:rgb(161, 103, 142)  
}
```

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(161, 103, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 103, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 19.2306, 0.3408, 0.2683 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(161, 103, 142) }
```

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

```
.border{ border-color:rgb(161, 103, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 103, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 103, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 103, 142);  
box-shadow:4px 4px 4px 4px rgb(161, 103,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.2306, 0.3408, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 103, 142) }
```

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

```
.background{ background-color: rgb(161,  
103, 142) }
```

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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