

# Converting Colors

$Y_{xy}(18.6570, 0.4139, 0.3257)$

Have a look what the booklet for  
Yxy(18.6570, 0.4139, 0.3257)  
contains.

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**Color**

**Yxy(18.7316, 0.4136, 0.3262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB6466
RGB	171, 100, 102
RGB Percent	67%, 39%, 40%
CMY	0.3294, 0.6078, 0.5999
CMYK	0.00, 0.42, 0.40, 0.33
HSL	358°, 30%, 53%
HSV	358°, 42%, 67%
XYZ	23.7504, 18.7316, 14.9416
YIQ	121.4570, 41.6740, 15.6740

# Conversions

## Conversions Part 2

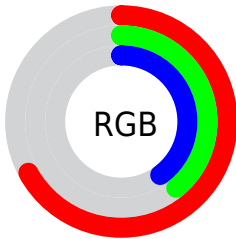
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	171, 100, 102
Decimal	11232358
CIE Lab	50.37, 28.85, 11.27
CIE LCh	50, 30.970, 21.348
Yxy	18.7316, 0.4136, 0.3262
Android (android.graphics.Color)	4289422438 (0xFFAB6466)
YUV	121.4570, -9.5923, 43.4492
Hunter-Lab	43.2800, 22.2140, 9.8272

# Details

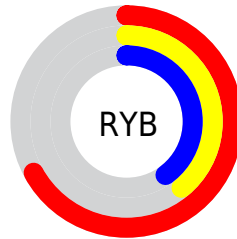
The Yxy color **18.7316, 0.4136, 0.3262** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.6971, 0.2582, 0.3321**, and the grayscale version is **19.2989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2504, 0.3895, 0.3281**, and **6.3565, 0.4585, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **15.4919, 0.4528, 0.3257**, and if you desaturate by 10%, it is **22.7276, 0.3808, 0.3269**.

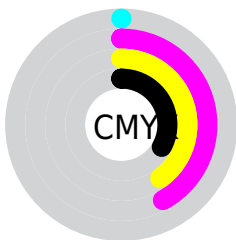
# Distribution



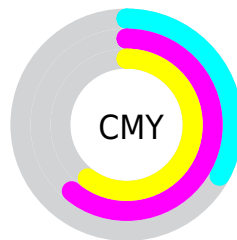
- Red (67%)
- Green (39%)
- Blue (40%)



- Red (67%)
- Yellow (39%)
- Blue (40%)



- Cyan (0%)
- Magenta (42%)
- Yellow (40%)
- Black (33%)




- Cyan (33%)
- Magenta (61%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7316, 0.4136, 0.3262 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 18.7316, 0.4136, 0.3262 by changing the saturation by 10% instead.





 18.7316, 0.4136,  
0.3262


 18.7316, 0.4136,  
0.3262


244.9630, 0.3550,  
0.3294


 11.4765, 0.4317,  
0.3244


 41.2801, 0.3900,  
0.3280

 6.3883, 0.4573,  
0.3211


 57.3422, 0.3819,  
0.3285

 3.0826, 0.4963,  
0.3146

 77.1089, 0.3753,  
0.3288

 1.1750, 0.5735,  
0.3062

 100.9644, 0.3698,  
0.3290

 0.0411, 0.9475,  
0.0525

129.2932, 0.3652,  
0.3292

 0.0000, 0.0000,  
0.0000

162.4796, 0.3613,

0.3293

200.9081, 0.3580,  
0.3294

■ 18.7316, 0.4136,  
0.3262

■ 18.7316, 0.4136,  
0.3262

■ 15.4919, 0.4528,  
0.3257

■ 22.7276, 0.3808,  
0.3269

■ 12.9584, 0.4973,  
0.3255

■ 27.5204, 0.3539,  
0.3276

■ 11.0792, 0.5439,  
0.3257


■ 33.1509, 0.3324,  
0.3282


■ 9.7942, 0.5870,  
0.3264

■ 39.6566, 0.3150,  
0.3289


■ 9.0322, 0.6194,  
0.3277

■ 47.0724, 0.3011,  
0.3295

 8.6681, 0.6368,  
0.3282

 55.4315, 0.2899,  
0.3301

 64.7655, 0.2808,  
0.3306

 75.1043, 0.2733,  
0.3310

 86.4767, 0.2671,  
0.3314

# Harmonies

## Analogous

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



18.7316, 0.3667, 0.2844



18.7316, 0.4136, 0.3262



18.7316, 0.4299, 0.3717

# Triad

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



18.7316, 0.4136, 0.3262



18.7316, 0.3098, 0.4248



18.7316, 0.2195, 0.2426

# Complementary

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



18.7316, 0.4136, 0.3262



34.6971, 0.2582, 0.3321

# 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.



18.7316, 0.2079, 0.2698



18.7316, 0.4136, 0.3262



18.7316, 0.2566, 0.3791

# Square

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



18.7316, 0.4136, 0.3262



18.7316, 0.3666, 0.4352



18.7316, 0.2205, 0.3190



18.7316, 0.2539, 0.2378



# Rectangle

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



18.7316, 0.4136, 0.3262



18.7316, 0.4210, 0.4000



18.7316, 0.2205, 0.3190



18.7316, 0.2130, 0.2491

# Sweetspot

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



18.7325, 0.4136, 0.3262



58.6233, 0.3337, 0.3282



20.4494, 0.3145, 0.2282



12.7756, 0.3362, 0.3281



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



18.7325, 0.4136, 0.3262



28.0754, 0.4501, 0.3257



26.3893, 0.3952, 0.3792



8.0189, 0.3282, 0.3284



6.5362, 0.6362, 0.3278



0.1830, 0.6197, 0.3187



# Inverse Universe

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



18.7325, 0.4136, 0.3262



28.0754, 0.4501, 0.3257



23.7883, 0.2479, 0.2721



8.0189, 0.3282, 0.3284



6.5362, 0.6362, 0.3278

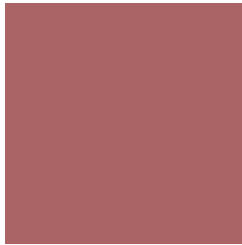


0.1830, 0.6197, 0.3187



# Previews

## White Background



This preview shows how the Yxy color 18.7316, 0.4136, 0.3262 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 18.7316, 0.4136, 0.3262 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

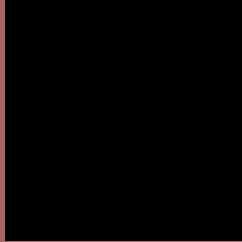
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.7316, 0.4136, 0.3262**

## Background



This preview shows how black text looks on a background with the Yxy color 18.7316, 0.4136, 0.3262.



This preview shows how white text looks on a background with the Yxy color 18.7316, 0.4136, 0.3262.

# 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

18.7316, 0.4136, 0.3262

### Protanopia

18.8879, 0.3272, 0.3442

### Deuteranopia

18.8806, 0.3649, 0.3599



## Tritanopia

18.6431, 0.4066, 0.3171

# Trichromacy



## Original Color

18.7316, 0.4136, 0.3262

## Protanomaly

18.5557, 0.3570, 0.3381

## Deuteranomaly

18.6513, 0.3832, 0.3463

## Tritanomaly

18.6015, 0.4097, 0.3201

# Monochromacy



## Original Color

18.7316, 0.4136, 0.3262

## Achromatopsia

19.1202, 0.3127, 0.3290

## Achromatomaly

18.5141, 0.3463, 0.3273

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.7316, 0.4136, 0.3262 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(171, 100, 102)` looks like.

```
.text, #text, p{  
    color:rgb(171, 100, 102)  
}
```

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(171, 100, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 100, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 18.7316, 0.4136, 0.3262 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(171, 100, 102) }
```

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

```
.border{ border-color:rgb(171, 100, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 100, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 100, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 100, 102);  
box-shadow:4px 4px 4px 4px rgb(171, 100,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.7316, 0.4136, 0.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 100, 102) }
```

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

```
.background{ background-color: rgb(171,  
100, 102) }
```

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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