

Converting Colors

$Y_{xy}(18.6986, 0.4052, 0.3296)$

Have a look what the booklet for
Yxy(18.6986, 0.4052, 0.3296)
contains.

Yxy(18.7668, 0.4050, 0.3308)	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(18.7668, 0.4050, 0.3308)

Conversions

Conversions Part 1

Format	Color
Hex	A66766
RGB	166, 103, 102
RGB Percent	65%, 40%, 40%
CMY	0.3490, 0.5961, 0.5999
CMYK	0.00, 0.38, 0.39, 0.35
HSL	1°, 26%, 53%
HSV	1°, 39%, 65%
XYZ	22.9763, 18.7668, 14.9885
YIQ	121.7230, 37.8690, 13.0450

Conversions

Conversions Part 2

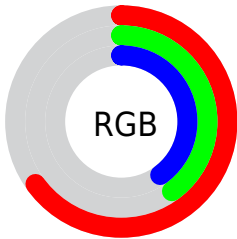
Format	Color
R_{YB}	166, 103, 102
Decimal	10905446
CIE _{Lab}	50.41, 25.21, 11.24
CIE _{LCh}	50, 27.598, 24.030
Yxy	18.7668, 0.4050, 0.3308
Android (android.graphics.Color)	4289095526 (0xFFA66766)
YUV	121.7230, -9.7234, 38.8309
Hunter-Lab	43.3207, 18.8611, 9.8108

Details

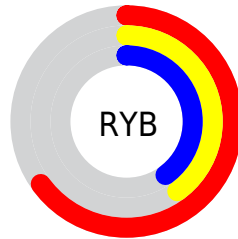
The Yxy color **18.7668, 0.4050, 0.3308** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.5019, 0.2600, 0.3272**, and the grayscale version is **19.3911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4306, 0.3834, 0.3316**, and **6.4530, 0.4460, 0.3294** is the 20% darker color. If you saturate the color by 10%, you get **15.5302, 0.4429, 0.3313**, and if you desaturate by 10%, it is **22.7070, 0.3734, 0.3303**.

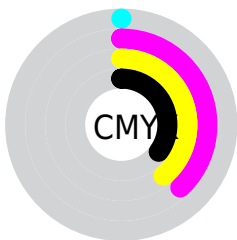
Distribution



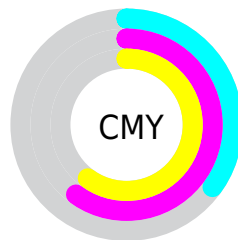
- Red (65%)
- Green (40%)
- Blue (40%)



- Red (65%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (38%)
- Yellow (39%)
- Black (35%)



- Cyan (35%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7668, 0.4050, 0.3308 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 18.7668, 0.4050, 0.3308 by changing the saturation by 10% instead.


 18.7668, 0.4050,
0.3308


 18.7668, 0.4050,
0.3308


245.1583, 0.3514,
0.3312


 11.5019, 0.4215,
0.3299


 41.3397, 0.3834,
0.3314

 6.4055, 0.4451,
0.3280


 57.4164, 0.3759,
0.3315

 3.0932, 0.4811,
0.3238

 77.1993, 0.3699,
0.3315

 1.1806, 0.5534,
0.3195

 101.0726, 0.3649,
0.3315

 0.0457, 0.9351,
0.0649

129.4207, 0.3608,
0.3314

 0.0000, 0.0000,
0.0000

162.6281, 0.3572,

0.3313

201.0792, 0.3541,
0.3313

■ 18.7668, 0.4050,
0.3308

■ 18.7668, 0.4050,
0.3308

■ 15.5302, 0.4429,
0.3313

■ 22.7070, 0.3734,
0.3303

■ 12.9534, 0.4866,
0.3316

■ 27.3859, 0.3478,
0.3298

■ 10.9916, 0.5334,
0.3318


■ 32.8396, 0.3271,
0.3294


■ 9.5938, 0.5781,
0.3317


■ 39.1010, 0.3105,
0.3289

■ 8.7005, 0.6137,
0.3313


■ 46.2010, 0.2971,
0.3286

 8.2195, 0.6359,
0.3309

 54.1689, 0.2863,
0.3282

 8.1623, 0.6388,
0.3310

 63.0328, 0.2775,
0.3279

 72.8193, 0.2702,
0.3277

 83.5540, 0.2643,
0.3274

Harmonies

Analogous

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



18.7668, 0.3654, 0.2921



18.7668, 0.4050, 0.3308



18.7668, 0.4170, 0.3719

Triad

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



18.7668, 0.4050, 0.3308



18.7668, 0.3061, 0.4109



18.7668, 0.2307, 0.2502

Complementary

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



18.7668, 0.4050, 0.3308



32.5019, 0.2600, 0.3272

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.



18.7668, 0.2182, 0.2735



18.7668, 0.4050, 0.3308



18.7668, 0.2591, 0.3688

Square

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



18.7668, 0.4050, 0.3308



18.7668, 0.3573, 0.4239



18.7668, 0.2279, 0.3162



18.7668, 0.2638, 0.2472

Rectangle

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



18.7668, 0.4050, 0.3308



18.7668, 0.4077, 0.3965



18.7668, 0.2279, 0.3162



18.7668, 0.2242, 0.2557

Sweetspot

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



18.7677, 0.4050, 0.3308



55.7842, 0.3342, 0.3295



20.3689, 0.3171, 0.2360



12.2065, 0.3367, 0.3296



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.7677, 0.4050, 0.3308



29.0881, 0.4361, 0.3312



26.1221, 0.3863, 0.3786



7.5599, 0.3285, 0.3294



6.3354, 0.6386, 0.3311



0.1597, 0.6320, 0.3364

Inverse Universe

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



32.5019, 0.2600, 0.3272



57.5023, 0.2512, 0.3268



22.6343, 0.2521, 0.2731



8.5122, 0.2987, 0.3286



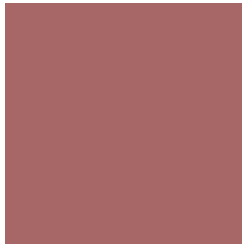
22.5857, 0.2234, 0.3242



0.5554, 0.2238, 0.3258

Previews

White Background



This preview shows how the Yxy color 18.7668, 0.4050, 0.3308 looks on a white background.

Color Contrast Check

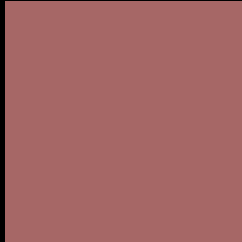
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7668, 0.4050, 0.3308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

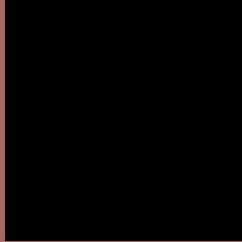
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7668, 0.4050, 0.3308

Background



This preview shows how black text looks on a background with the Yxy color 18.7668, 0.4050, 0.3308.



This preview shows how white text looks on a background with the Yxy color 18.7668, 0.4050, 0.3308.

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

18.7668, 0.4050, 0.3308

Protanopia

18.9406, 0.3297, 0.3461

Deuteranopia

18.8998, 0.3636, 0.3580



Tritanopia

18.8224, 0.3965, 0.3183

Trichromacy



Original Color

18.7668, 0.4050, 0.3308

Protanomaly

18.6928, 0.3553, 0.3399

Deuteranomaly

18.6980, 0.3785, 0.3465

Tritanomaly

18.7588, 0.4010, 0.3230

Monochromacy



Original Color

18.7668, 0.4050, 0.3308

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.9025, 0.3431, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7668, 0.4050, 0.3308 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(166, 103, 102)` looks like.

```
.text, #text, p{  
    color:rgb(166, 103, 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(166, 103, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 103, 102) }
```

Border

The CSS property to change the border of an element to Yxy 18.7668, 0.4050, 0.3308 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(166, 103, 102) }
```

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

```
.border{ border-color:rgb(166, 103, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 103, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 103, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 103, 102);  
box-shadow:4px 4px 4px 4px rgb(166, 103,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7668, 0.4050, 0.3308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 103, 102) }
```

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

```
.background{ background-color: rgb(166,  
103, 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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