

Converting Colors

$Y_{xy}(19.4084, 0.3796, 0.3459)$

Have a look what the booklet for
Yxy(19.4084, 0.3796, 0.3459)
contains.

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Color

Yxy(19.4649, 0.3788, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	987167
RGB	152, 113, 103
RGB Percent	60%, 44%, 40%
CMY	0.4039, 0.5569, 0.5960
CMYK	0.00, 0.26, 0.32, 0.40
HSL	12°, 19%, 50%
HSV	12°, 32%, 60%
XYZ	21.3040, 19.4649, 15.4718
YIQ	123.5210, 26.4540, 5.1580

Conversions

Conversions Part 2

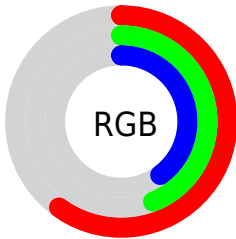
Format	Color
R_{YB}	152, 116, 103
Decimal	9990503
CIE _{Lab}	51.23, 13.95, 11.54
CIE _{LCh}	51, 18.108, 39.601
Yxy	19.4649, 0.3788, 0.3461
Android (android.graphics.Color)	4288180583 (0xFF987167)
YUV	123.5210, -10.1169, 24.9761
Hunter-Lab	44.1190, 8.9848, 10.0913

Details

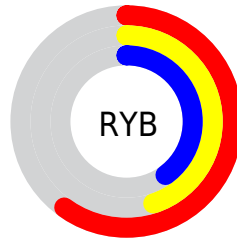
The Yxy color **19.4649, 0.3788, 0.3461** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.5070, 0.2658, 0.3111**, and the grayscale version is **20.0171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5088, 0.3633, 0.3430**, and **6.7754, 0.4079, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **16.6645, 0.4082, 0.3516**, and if you desaturate by 10%, it is **22.6829, 0.3540, 0.3405**.

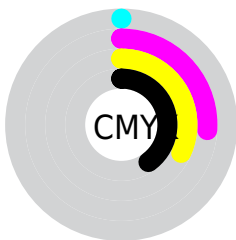
Distribution



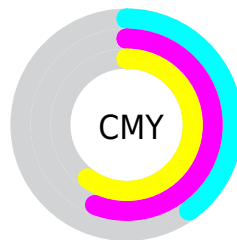
- Red (60%)
- Green (44%)
- Blue (40%)



- Red (60%)
- Yellow (45%)
- Blue (40%)



- Cyan (0%)
- Magenta (26%)
- Yellow (32%)
- Black (40%)




- Cyan (40%)
- Magenta (56%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4649, 0.3788, 0.3461 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 19.4649, 0.3788, 0.3461 by changing the saturation by 10% instead.


 19.4649, 0.3788,
0.3461


 19.4649, 0.3788,
0.3461


249.0034, 0.3407,
0.3372


 12.0067, 0.3905,
0.3483


 42.5182, 0.3635,
0.3428


 6.7482, 0.4072,
0.3511


 58.8821, 0.3582,
0.3416

 3.3051, 0.4326,
0.3544

 78.9833, 0.3539,
0.3405

 1.2930, 0.4835,
0.3631

 103.2063, 0.3503,
0.3397

 0.1358, 0.7757,
0.2243

131.9354, 0.3473,
0.3389

 0.0000, 0.0000,
0.0000

165.5550, 0.3448,

0.3382

204.4495, 0.3426,
0.3377

■ 19.4649, 0.3788,
0.3461

■ 19.4649, 0.3788,
0.3461

■ 16.6645, 0.4082,
0.3516

■ 22.6829, 0.3540,
0.3405

■ 14.2619, 0.4422,
0.3564

■ 26.3319, 0.3333,
0.3352

■ 12.2394, 0.4804,
0.3600


■ 30.4281, 0.3161,
0.3301

■ 10.5774, 0.5207,
0.3614


■ 34.9861, 0.3018,
0.3254

■ 9.2539, 0.5598,
0.3598


■ 40.0197, 0.2899,
0.3211


 8.2449, 0.5933,
0.3548

 45.5422, 0.2799,
0.3172

 7.6539, 0.6147,
0.3501

 51.5664, 0.2715,
0.3136

 58.1045, 0.2644,
0.3104

 65.1685, 0.2584,
0.3075

Harmonies

Analogous

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



19.4649, 0.3618, 0.3182



19.4649, 0.3788, 0.3461



19.4649, 0.3768, 0.3716

Triad

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



19.4649, 0.3788, 0.3461



19.4649, 0.2923, 0.3685



19.4649, 0.2683, 0.2737

Complementary

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



19.4649, 0.3788, 0.3461



24.5070, 0.2658, 0.3111

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.



19.4649, 0.2520, 0.2833



19.4649, 0.3788, 0.3461



19.4649, 0.2652, 0.3377

Square

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



19.4649, 0.3788, 0.3461



19.4649, 0.3258, 0.3872



19.4649, 0.2509, 0.3061



19.4649, 0.2969, 0.2778

Rectangle

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



19.4649, 0.3788, 0.3461



19.4649, 0.3652, 0.3838



19.4649, 0.2509, 0.3061



19.4649, 0.2613, 0.2753

Sweetspot

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



19.4658, 0.3788, 0.3461



47.8773, 0.3296, 0.3341



18.3403, 0.3287, 0.2656



10.6780, 0.3319, 0.3348



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



19.4658, 0.3788, 0.3461



30.5647, 0.4005, 0.3502



25.6358, 0.3666, 0.3854



6.4164, 0.3278, 0.3336



6.4548, 0.6136, 0.3510



0.1401, 0.5481, 0.4030

Inverse Universe

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



24.5070, 0.2658, 0.3111



40.9259, 0.2558, 0.3062



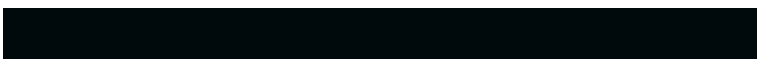
18.0425, 0.2604, 0.2653



6.8128, 0.2989, 0.3244



13.4197, 0.2066, 0.2638



0.2488, 0.2155, 0.2959

Previews

White Background



This preview shows how the Yxy color 19.4649, 0.3788, 0.3461 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 19.4649, 0.3788, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

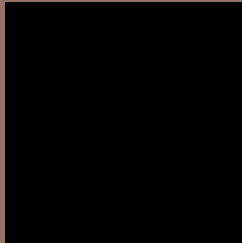
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4649, 0.3788, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 19.4649, 0.3788, 0.3461.

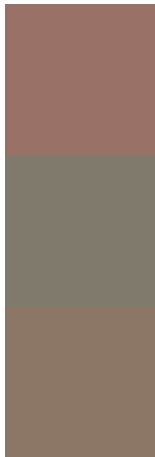


This preview shows how white text looks on a background with the Yxy color 19.4649, 0.3788, 0.3461.

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

19.4649, 0.3788, 0.3461

Protanopia

19.5910, 0.3367, 0.3552

Deuteranopia

19.5789, 0.3628, 0.3577



Tritanopia

19.5708, 0.3605, 0.3158

Trichromacy



Original Color

19.4649, 0.3788, 0.3461

Protanomaly

19.5526, 0.3519, 0.3526

Deuteranomaly

19.4698, 0.3691, 0.3537

Tritanomaly

19.5529, 0.3670, 0.3275

Monochromacy



Original Color

19.4649, 0.3788, 0.3461

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.7622, 0.3353, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4649, 0.3788, 0.3461 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(152, 113, 103)` looks like.

```
.text, #text, p{  
    color:rgb(152, 113, 103)  
}
```

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(152, 113, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 113, 103) }
```

Border

The CSS property to change the border of an element to Yxy 19.4649, 0.3788, 0.3461 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(152, 113, 103) }
```

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

```
.border{ border-color:rgb(152, 113, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 113, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 113, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 113, 103);  
box-shadow:4px 4px 4px 4px rgb(152, 113,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4649, 0.3788, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 113, 103) }
```

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

```
.background{ background-color: rgb(152,  
113, 103) }
```

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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