

Converting Colors

$Y_{xy}(18.2370, 0.3967, 0.3466)$

Have a look what the booklet for
Yxy(18.2370, 0.3967, 0.3466)
contains.

Yxy(18.1212, 0.3968, 0.3460)	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(18.1212, 0.3968, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	9B6A60
RGB	155, 106, 96
RGB Percent	61%, 42%, 38%
CMY	0.3922, 0.5843, 0.6235
CMYK	0.00, 0.32, 0.38, 0.39
HSL	10°, 23%, 49%
HSV	10°, 38%, 61%
XYZ	20.7818, 18.1212, 13.4704
YIQ	119.5110, 32.4140, 7.2780

Conversions

Conversions Part 2

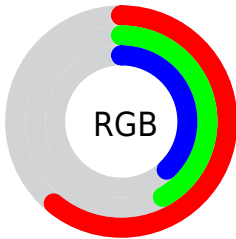
Format	Color
R_{YB}	155, 108, 96
Decimal	10185312
CIE _{Lab}	49.64, 18.28, 13.52
CIE _{LCh}	50, 22.735, 36.493
Yxy	18.1212, 0.3968, 0.3460
Android (android.graphics.Color)	4288375392 (0xFF9B6A60)
YUV	119.5110, -11.5909, 31.1239
Hunter-Lab	42.5690, 12.6462, 11.0367

Details

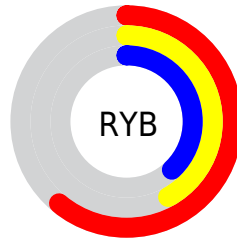
The Yxy color **18.1212, 0.3968, 0.3460** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.1010, 0.2585, 0.3110**, and the grayscale version is **18.6488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4092, 0.3764, 0.3429**, and **6.0812, 0.4339, 0.3487** is the 20% darker color. If you saturate the color by 10%, you get **15.4072, 0.4299, 0.3503**, and if you desaturate by 10%, it is **21.2915, 0.3687, 0.3414**.

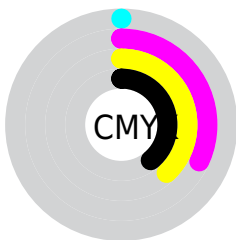
Distribution



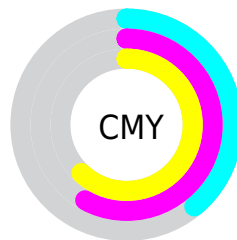
- Red (61%)
- Green (42%)
- Blue (38%)



- Red (61%)
- Yellow (42%)
- Blue (38%)



- Cyan (0%)
- Magenta (32%)
- Yellow (38%)
- Black (39%)





- Cyan (39%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1212, 0.3968, 0.3460 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 18.1212, 0.3968, 0.3460 by changing the saturation by 10% instead.


 18.1212, 0.3968,
0.3460


 18.1212, 0.3968,
0.3460


241.5533, 0.3478,
0.3375


 11.0370, 0.4121,
0.3478


 40.2437, 0.3769,
0.3430


 6.0918, 0.4339,
0.3497

 56.0509, 0.3701,
0.3419

 2.9010, 0.4675,
0.3511

 75.5345, 0.3646,
0.3409

 1.0802, 0.5561,
0.3697

 99.0790, 0.3601,
0.3400

 0.0000, 1.0000,
0.0000

127.0687, 0.3562,
0.3393

 0.0000, 0.0000,
0.0000

159.8881, 0.3530,

0.3386

197.9215, 0.3502,
0.3380

■ 18.1212, 0.3968,
0.3460

■ 18.1212, 0.3968,
0.3460

■ 15.4072, 0.4299,
0.3503

■ 21.2915, 0.3687,
0.3414

■ 13.1258, 0.4678,
0.3537

■ 24.9350, 0.3453,
0.3368

■ 11.2551, 0.5090,
0.3556


■ 29.0712, 0.3259,
0.3323

■ 9.7705, 0.5504,
0.3550


■ 33.7174, 0.3098,
0.3282


■ 8.6444, 0.5874,
0.3515

■ 38.8903, 0.2966,
0.3245


 7.8423, 0.6160,
0.3459

 44.6058, 0.2856,
0.3210

 7.7188, 0.6210,
0.3451

 50.8790, 0.2764,
0.3179

 57.7246, 0.2687,
0.3151

 65.1565, 0.2622,
0.3125

Harmonies

Analogous

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



18.1212, 0.3725, 0.3112



18.1212, 0.3968, 0.3460



18.1212, 0.3964, 0.3794

Triad

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



18.1212, 0.3968, 0.3460



18.1212, 0.2902, 0.3842



18.1212, 0.2533, 0.2593

Complementary

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



18.1212, 0.3968, 0.3460



25.1010, 0.2585, 0.3110

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.



18.1212, 0.2349, 0.2725



18.1212, 0.3968, 0.3460



18.1212, 0.2549, 0.3442

Square

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



18.1212, 0.3968, 0.3460



18.1212, 0.3332, 0.4061



18.1212, 0.2353, 0.3025



18.1212, 0.2878, 0.2632

Rectangle

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



18.1212, 0.3968, 0.3460



18.1212, 0.3826, 0.3967



18.1212, 0.2353, 0.3025



18.1212, 0.2451, 0.2618

Sweetspot

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



18.1221, 0.3968, 0.3460



49.6331, 0.3316, 0.3337



17.3840, 0.3297, 0.2512



11.0219, 0.3339, 0.3343



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.1221, 0.3968, 0.3460



28.1191, 0.4258, 0.3498



25.2322, 0.3789, 0.3929



6.3836, 0.3279, 0.3328



6.2414, 0.6198, 0.3460



0.1306, 0.5599, 0.3936

Inverse Universe

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



25.1010, 0.2585, 0.3110



42.4832, 0.2477, 0.3061



17.2679, 0.2505, 0.2552



6.8482, 0.2989, 0.3251



14.5002, 0.2098, 0.2753



0.2584, 0.2171, 0.3016

Previews

White Background



This preview shows how the Yxy color 18.1212, 0.3968, 0.3460 looks on a white background.

Color Contrast Check

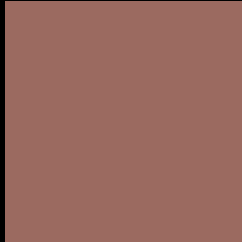
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1212, 0.3968, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

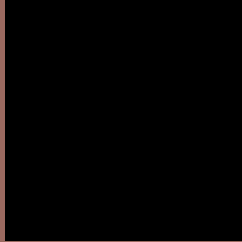
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1212, 0.3968, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 18.1212, 0.3968, 0.3460.

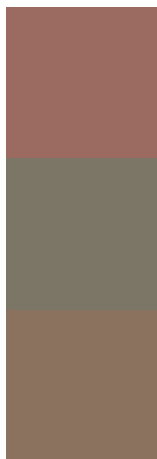


This preview shows how white text looks on a background with the Yxy color 18.1212, 0.3968, 0.3460.

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

18.1212, 0.3968, 0.3460

Protanopia

18.2013, 0.3399, 0.3599

Deuteranopia

18.2641, 0.3698, 0.3638



Tritanopia

18.1384, 0.3759, 0.3159

Trichromacy



Original Color

18.1212, 0.3968, 0.3460

Protanomaly

18.1056, 0.3590, 0.3550

Deuteranomaly

18.1244, 0.3798, 0.3576

Tritanomaly

18.2117, 0.3842, 0.3275

Monochromacy



Original Color

18.1212, 0.3968, 0.3460

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.3957, 0.3415, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1212, 0.3968, 0.3460 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(155, 106, 96)` looks like.

```
.text, #text, p{  
    color:rgb(155, 106, 96)  
}
```

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(155, 106, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 106, 96) }
```

Border

The CSS property to change the border of an element to Yxy 18.1212, 0.3968, 0.3460 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(155, 106, 96) }
```

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

```
.border{ border-color:rgb(155, 106, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 106, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 106, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 106, 96);  
box-shadow:4px 4px 4px 4px rgb(155, 106,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1212, 0.3968, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 106, 96) }
```

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

```
.background{ background-color: rgb(155,  
106, 96) }
```

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