

Converting Colors

$Y_{xy}(21.0462, 0.3765, 0.3448)$

Have a look what the booklet for
Yxy(21.0462, 0.3765, 0.3448)
contains.

Yxy(20.9734, 0.3768, 0.3440)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.9734, 0.3768, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	9D756C
RGB	157, 117, 108
RGB Percent	62%, 46%, 42%
CMY	0.3843, 0.5412, 0.5765
CMYK	0.00, 0.25, 0.31, 0.38
HSL	11°, 20%, 52%
HSV	11°, 31%, 62%
XYZ	22.9732, 20.9734, 17.0226
YIQ	127.9340, 26.7290, 5.6810

Conversions

Conversions Part 2

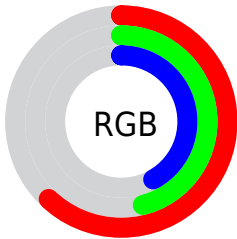
Format	Color
R_{YB}	157, 119, 108
Decimal	10319212
CIE Lab	52.92, 14.39, 11.09
CIE LCh	53, 18.162, 37.618
Yxy	20.9734, 0.3768, 0.3440
Android (android.graphics.Color)	4288509292 (0xFF9D756C)
YUV	127.9340, -9.8275, 25.4909
Hunter-Lab	45.7967, 9.3974, 10.0197

Details

The Yxy color **20.9734, 0.3768, 0.3440** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.8009, 0.2673, 0.3134**, and the grayscale version is **21.5906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8762, 0.3622, 0.3415**, and **7.5362, 0.4013, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **17.8850, 0.4062, 0.3490**, and if you desaturate by 10%, it is **24.5328, 0.3521, 0.3390**.

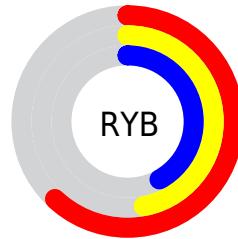
Distribution



Red (62%)

Green (46%)

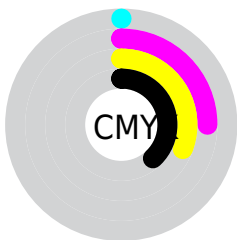
Blue (42%)



Red (62%)

Yellow (47%)

Blue (42%)

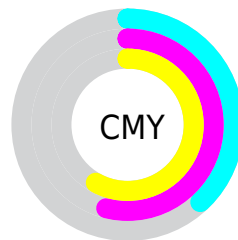


Cyan (0%)

Magenta (25%)

Yellow (31%)

Black (38%)



Cyan (38%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9734, 0.3768, 0.3440 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 20.9734, 0.3768, 0.3440 by changing the saturation by 10% instead.

 20.9734, 0.3768,
0.3440


 20.9734, 0.3768,
0.3440


257.1371, 0.3402,
0.3363

 13.1046, 0.3878,
0.3459


 45.0433, 0.3622,
0.3412

 7.5006, 0.4034,
0.3482


 62.0131, 0.3571,
0.3401

 3.7771, 0.4269,
0.3509

 82.7853, 0.3530,
0.3392

 1.5497, 0.4671,
0.3541

 107.7444, 0.3496,
0.3385

 0.3233, 0.6707,
0.3293

137.2748, 0.3467,
0.3378

 0.0000, 0.0000,
0.0000

171.7607, 0.3442,

0.3372

211.5867, 0.3421,
0.3367

■ 20.9734, 0.3768,
0.3440

■ 20.9734, 0.3768,
0.3440

■ 17.8850, 0.4062,
0.3490

■ 24.5328, 0.3521,
0.3390

■ 15.2449, 0.4406,
0.3534

■ 28.5788, 0.3316,
0.3341

■ 13.0329, 0.4793,
0.3567


■ 33.1299, 0.3146,
0.3295


■ 11.2262, 0.5204,
0.3581


■ 38.2028, 0.3005,
0.3253

■ 9.7996, 0.5606,
0.3566


■ 43.8133, 0.2888,
0.3215


 8.7252, 0.5949,
0.3520

 49.9768, 0.2790,
0.3180

 8.0406, 0.6188,
0.3469

 56.7078, 0.2709,
0.3148

 64.0203, 0.2639,
0.3119

 71.9280, 0.2581,
0.3093

Harmonies

Analogous

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



20.9734, 0.3591, 0.3167



20.9734, 0.3768, 0.3440



20.9734, 0.3761, 0.3693

Triad

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



20.9734, 0.3768, 0.3440



20.9734, 0.2948, 0.3693



20.9734, 0.2678, 0.2750

Complementary

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



20.9734, 0.3768, 0.3440



26.8009, 0.2673, 0.3134

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.



20.9734, 0.2527, 0.2854



20.9734, 0.3768, 0.3440



20.9734, 0.2676, 0.3396

Square

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



20.9734, 0.3768, 0.3440



20.9734, 0.3277, 0.3865



20.9734, 0.2526, 0.3085



20.9734, 0.2951, 0.2782

Rectangle

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



20.9734, 0.3768, 0.3440



20.9734, 0.3655, 0.3817



20.9734, 0.2526, 0.3085



20.9734, 0.2612, 0.2769

Sweetspot

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



20.9744, 0.3768, 0.3440



52.7688, 0.3278, 0.3331



20.0311, 0.3271, 0.2662



11.3774, 0.3303, 0.3338



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.



20.9744, 0.3768, 0.3440



33.8732, 0.3953, 0.3473



27.4444, 0.3653, 0.3825



6.8336, 0.3280, 0.3332



6.5717, 0.6176, 0.3478



0.1651, 0.5571, 0.3958

Inverse Universe

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



26.8009, 0.2673, 0.3134



45.8706, 0.2587, 0.3096



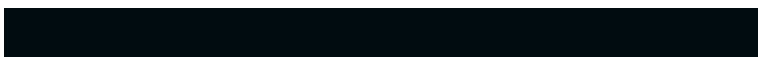
19.9160, 0.2622, 0.2689



7.3020, 0.2988, 0.3248



14.5953, 0.2085, 0.2704



0.3103, 0.2156, 0.2963

Previews

White Background



This preview shows how the Yxy color 20.9734, 0.3768, 0.3440 looks on a white background.

Color Contrast Check

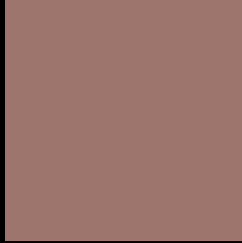
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9734, 0.3768, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

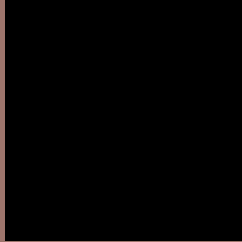
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9734, 0.3768, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 20.9734, 0.3768, 0.3440.



This preview shows how white text looks on a background with the Yxy color 20.9734, 0.3768, 0.3440.

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

20.9734, 0.3768, 0.3440

Protanopia

21.0195, 0.3348, 0.3526

Deuteranopia

21.0916, 0.3614, 0.3550



Tritanopia

21.0625, 0.3604, 0.3162

Trichromacy



Original Color

20.9734, 0.3768, 0.3440

Protanomaly

20.9763, 0.3495, 0.3502

Deuteranomaly

20.9785, 0.3675, 0.3512

Tritanomaly

21.0679, 0.3653, 0.3259

Monochromacy



Original Color

20.9734, 0.3768, 0.3440

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.2847, 0.3347, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9734, 0.3768, 0.3440 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(157, 117, 108)` looks like.

```
.text, #text, p{  
    color:rgb(157, 117, 108)  
}
```

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(157, 117, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 117, 108) }
```

Border

The CSS property to change the border of an element to Yxy 20.9734, 0.3768, 0.3440 is called "border". The border property can be set on classes, ids or directly on the HTML element.

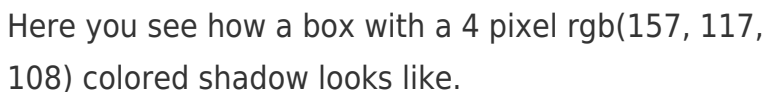
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 117, 108) }
```

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

```
.border{ border-color:rgb(157, 117, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 117, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 117, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 117, 108);  
box-shadow:4px 4px 4px 4px rgb(157, 117,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9734, 0.3768, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 117, 108) }
```

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

```
.background{ background-color: rgb(157,  
117, 108) }
```

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