

Converting Colors

$Y_{xy}(33.1305, 0.3559, 0.3674)$

Have a look what the booklet for
Yxy(33.1305, 0.3559, 0.3674)
contains.

Yxy(33.3014, 0.3564, 0.3688)	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(33.3014, 0.3564, 0.3688)

Conversions

Conversions Part 1	
Format	Color
Hex	AB9A7F
RGB	171, 154, 127
RGB Percent	67%, 60%, 50%
CMY	0.3294, 0.3961, 0.5019
CMYK	0.00, 0.10, 0.26, 0.33
HSL	37°, 21%, 58%
HSV	37°, 26%, 67%
XYZ	32.1817, 33.3014, 24.8135
YIQ	156.0050, 18.7990, -4.7930

Conversions

Conversions Part 2

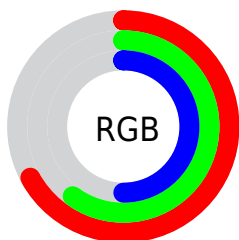
Format	Color
RYB	155, 171, 127
Decimal	11246207
CIELab	64.40, 1.92, 16.47
CIELCh	64, 16.577, 83.339
Yxy	33.3014, 0.3564, 0.3688
Android (android.graphics.Color)	4289436287 (0xFFAB9A7F)
YUV	156.0050, -14.2995, 13.1506
Hunter-Lab	57.7074, -1.4436, 14.9011

Details

The Yxy color $33.3014, 0.3564, 0.3688$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $27.4027, 0.2719, 0.2857$, and the grayscale version is $33.3078, 0.3127, 0.3290$.

A 20% lighter version of the original color is $64.7379, 0.3479, 0.3605$, and $14.1021, 0.3701, 0.3811$ is the 20% darker color. If you saturate the color by 10%, you get $30.7725, 0.3765, 0.3849$, and if you desaturate by 10%, it is $36.0291, 0.3380, 0.3528$.

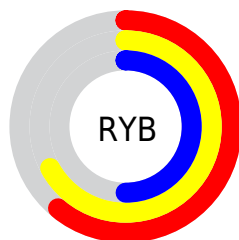
Distribution



Red (67%)

Green (60%)

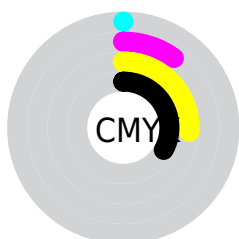
Blue (50%)



Red (61%)

Yellow (67%)

Blue (50%)

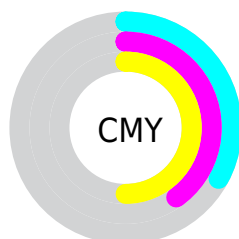


Cyan (0%)

Magenta (10%)

Yellow (26%)

Black (33%)



Cyan (33%)


Magenta (40%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3014, 0.3564, 0.3688 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 33.3014, 0.3564, 0.3688 by changing the saturation by 10% instead.


 33.3014, 0.3564,
0.3688


 33.3014, 0.3564,
0.3688


317.0057, 0.3333,
0.3480

 22.3574, 0.3625,
0.3743


 64.8458, 0.3477,
0.3610

 14.1198, 0.3707,
0.3815


 86.2150, 0.3446,
0.3582

 8.2040, 0.3819,
0.3913


 111.8281, 0.3419,
0.3558

 4.2258, 0.3981,
0.4053

142.0695, 0.3397,
0.3537

 1.8006, 0.4284,
0.4314

177.3236, 0.3378,
0.3520

 0.4876, 0.5114,
0.4886


217.9747, 0.3361,

 0.0000, 0.0000,

0.3505


0.0000


264.4073, 0.3346,
0.3491

 33.3014, 0.3564,
0.3688


 33.3014, 0.3564,
0.3688


 30.7725, 0.3765,
0.3849


 36.0291, 0.3380,
0.3528

 28.4322, 0.3980,
0.4005


 38.9565, 0.3214,
0.3375


 26.2757, 0.4204,
0.4147


 42.0902, 0.3066,
0.3229

 24.2966, 0.4429,
0.4264


 45.4352, 0.2934,
0.3093


 22.4877, 0.4645,
0.4346

 48.9961, 0.2817,
0.2967


 20.8408, 0.4841,
0.4382

 52.7776, 0.2714,
0.2851

 19.3462, 0.5006,
0.4368

 56.7840, 0.2622,
0.2744

 18.7457, 0.5073,
0.4354

 60.4389, 0.2587,
0.2737

 63.7054, 0.2597,
0.2815

Harmonies

Analogous

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



33.3014, 0.3643, 0.3523



33.3014, 0.3564, 0.3688



33.3014, 0.3367, 0.3752

Triad

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



33.3014, 0.3564, 0.3688



33.3014, 0.2695, 0.3245



33.3014, 0.3127, 0.2938

Complementary

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



33.3014, 0.3564, 0.3688



27.4027, 0.2719, 0.2857

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.



33.3014, 0.2878, 0.2862



33.3014, 0.3564, 0.3688



33.3014, 0.2637, 0.3026

Square

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



33.3014, 0.3564, 0.3688



33.3014, 0.2866, 0.3490



33.3014, 0.2702, 0.2891



33.3014, 0.3385, 0.3099

Rectangle

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



33.3014, 0.3564, 0.3688



33.3014, 0.3198, 0.3719



33.3014, 0.2702, 0.2891



33.3014, 0.3039, 0.2902

Sweetspot

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



33.3029, 0.3564, 0.3688



68.4671, 0.3253, 0.3411



25.8719, 0.3450, 0.3029



15.0936, 0.3277, 0.3434



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.



33.3029, 0.3564, 0.3688



56.9617, 0.3679, 0.3782



38.8315, 0.3465, 0.3928



8.8025, 0.3272, 0.3429



14.2354, 0.5062, 0.4363



0.4978, 0.4737, 0.4621

Inverse Universe

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



27.4027, 0.2719, 0.2857



44.5478, 0.2620, 0.2742



22.9799, 0.2737, 0.2581



8.2457, 0.2986, 0.3147



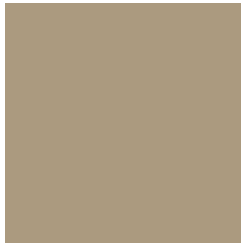
5.2565, 0.1681, 0.1251



0.2542, 0.1857, 0.1885

Previews

White Background



This preview shows how the Yxy color 33.3014, 0.3564, 0.3688 looks on a white background.

Color Contrast Check

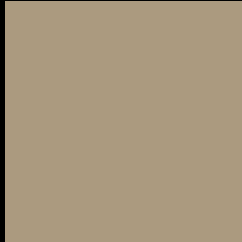
Large Text (above 18pt) WCAG AA × Fail

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 33.3014, 0.3564, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

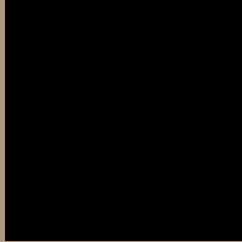
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3014, 0.3564, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 33.3014, 0.3564, 0.3688.



This preview shows how white text looks on a background with the Yxy color 33.3014, 0.3564, 0.3688.

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

33.3014, 0.3564, 0.3688

Protanopia

33.3348, 0.3484, 0.3710

Deuteranopia

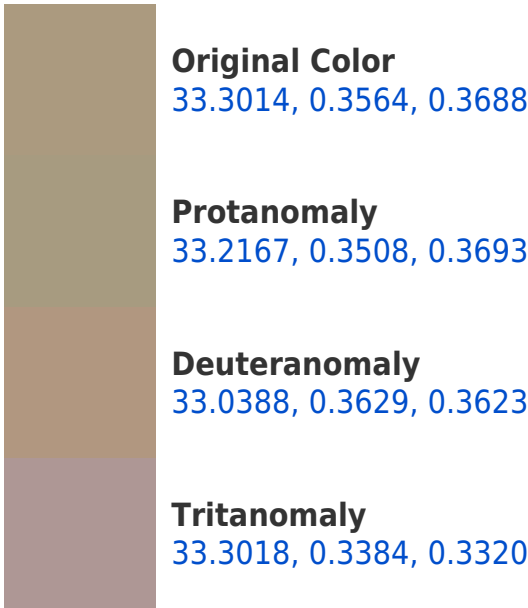
33.1950, 0.3676, 0.3604



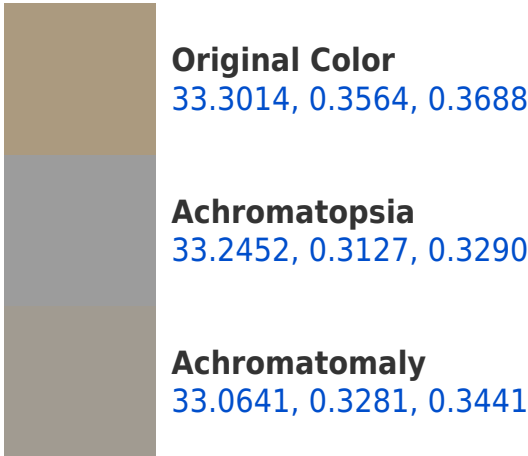
Tritanopia

33.1821, 0.3279, 0.3121

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3014, 0.3564, 0.3688 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, 154, 127) looks like.

```
.text, #text, p{  
    color:rgb(171, 154, 127)  
}
```

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, 154, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 154, 127) }
```

Border

The CSS property to change the border of an element to Yxy 33.3014, 0.3564, 0.3688 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, 154, 127) }
```

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

```
.border{ border-color:rgb(171, 154, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 154, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 154, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 154, 127);  
box-shadow:4px 4px 4px 4px rgb(171, 154,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3014, 0.3564, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 154, 127) }
```

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

```
.background{ background-color: rgb(171,  
154, 127) }
```

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