

# Converting Colors

Yxy(32.2625, 0.3399, 0.3678)

Have a look what the booklet for  
Yxy(32.2625, 0.3399, 0.3678)  
contains.

<b>Yxy(32.3235, 0.3394, 0.3675)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(32.3235, 0.3394, 0.3675)**

# Conversions

Conversions Part 1	
Format	Color
Hex	9E9B82
RGB	158, 155, 130
RGB Percent	62%, 61%, 51%
CMY	0.3803, 0.3921, 0.4902
CMYK	0.00, 0.02, 0.18, 0.38
HSL	54°, 13%, 56%
HSV	54°, 18%, 62%
XYZ	29.8520, 32.3235, 25.7796
YIQ	153.0470, 9.8130, -7.1390

# Conversions

## Conversions Part 2

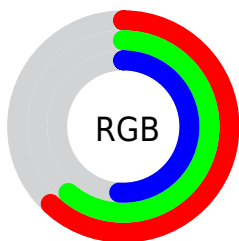
Format	Color
<a href="#">RYB</a>	<a href="#">133, 158, 130</a>
Decimal	<a href="#">10394498</a>
CIELab	<a href="#">63.61, -3.27, 13.53</a>
CIElCh	<a href="#">64, 13.919, 103.597</a>
Yxy	<a href="#">32.3235, 0.3394, 0.3675</a>
Android (android.graphics.Color)	<a href="#">4288584578</a> (0xFF9E9B82)
YUV	<a href="#">153.0470, -11.3622, 4.3438</a>
Hunter-Lab	<a href="#">56.8538, -5.7698, 12.9133</a>

# Details

The Yxy color  $32.3235, 0.3394, 0.3675$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $23.9878, 0.2847, 0.2873$ , and the grayscale version is  $31.9248, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $63.1660, 0.3343, 0.3592$ , and  $13.5589, 0.3469, 0.3799$  is the 20% darker color. If you saturate the color by 10%, you get  $31.3719, 0.3552, 0.3898$ , and if you desaturate by 10%, it is  $33.3511, 0.3241, 0.3455$ .

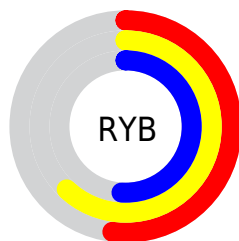
# Distribution



Red (62%)

Green (61%)

Blue (51%)



Red (52%)

Yellow (62%)

Blue (51%)

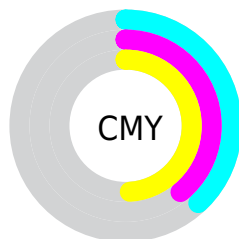


Cyan (0%)

Magenta (2%)

Yellow (18%)

Black (38%)



Cyan (38%)

Magenta (39%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3235, 0.3394, 0.3675 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 32.3235, 0.3394, 0.3675 by changing the saturation by 10% instead.





 32.3235, 0.3394,  
0.3675


 32.3235, 0.3394,  
0.3675


312.5903, 0.3253,  
0.3469


 21.6087, 0.3431,  
0.3731


 63.3179, 0.3341,  
0.3597

 13.5697, 0.3481,  
0.3806


 84.3663, 0.3322,  
0.3569

 7.8220, 0.3549,  
0.3911


 109.6280, 0.3306,  
0.3545

 3.9812, 0.3648,  
0.4068

139.4874, 0.3292,  
0.3525

 1.6631, 0.3828,  
0.4354

174.3290, 0.3280,  
0.3508

 0.3996, 0.4288,  
0.5712


214.5370, 0.3270,


 0.0000, 0.0000,


0.3494


0.0000


260.4960, 0.3261,  
0.3481

 32.3235, 0.3394,  
0.3675

 32.3235, 0.3394,  
0.3675


 31.3719, 0.3552,  
0.3898


 33.3511, 0.3241,  
0.3455

 30.4889, 0.3712,  
0.4116


 34.4532, 0.3095,  
0.3243


 29.6728, 0.3867,  
0.4323


 35.6338, 0.2959,  
0.3042


 28.9201, 0.4011,  
0.4508

 36.8955, 0.2834,  
0.2854


 28.2269, 0.4139,  
0.4662

 38.2406, 0.2719,  
0.2680

 27.5889, 0.4245,  
0.4779


 39.6715, 0.2615,  
0.2520


 27.0009, 0.4325,  
0.4853

 41.1902, 0.2520,  
0.2375

 26.4542, 0.4381,  
0.4888

 42.7088, 0.2443,  
0.2255

 26.3328, 0.4393,  
0.4894

 43.3422, 0.2446,  
0.2276

# Harmonies

## Analogous

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



32.3235, 0.3532, 0.3591



32.3235, 0.3394, 0.3675



32.3235, 0.3187, 0.3651

# Triad

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



32.3235, 0.3394, 0.3675



32.3235, 0.2714, 0.3122



32.3235, 0.3278, 0.3076

# Complementary

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



32.3235, 0.3394, 0.3675



23.9878, 0.2847, 0.2873

# 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.



32.3235, 0.3055, 0.2959



32.3235, 0.3394, 0.3675



32.3235, 0.2735, 0.2979

# Square

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



32.3235, 0.3394, 0.3675



32.3235, 0.2798, 0.3321



32.3235, 0.2858, 0.2923



32.3235, 0.3465, 0.3247



# Rectangle

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



32.3235, 0.3394, 0.3675



32.3235, 0.3039, 0.3573



32.3235, 0.2858, 0.2923



32.3235, 0.3205, 0.3030

# Sweetspot

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



32.3249, 0.3394, 0.3675



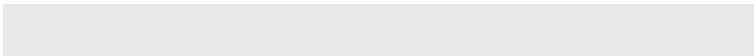
61.0703, 0.3201, 0.3398



24.9325, 0.3421, 0.3239



13.7389, 0.3211, 0.3412



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



32.3249, 0.3394, 0.3675



58.0417, 0.3452, 0.3757



32.2968, 0.3276, 0.3734



7.5986, 0.3263, 0.3488



21.1211, 0.4391, 0.4896



0.4090, 0.4302, 0.4966



# Inverse Universe

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



23.9878, 0.2847, 0.2873



40.2314, 0.2782, 0.2776



24.0698, 0.2958, 0.2837



6.5443, 0.2988, 0.3084



2.3283, 0.1526, 0.0694



0.0710, 0.1638, 0.1095



# Previews

## White Background



This preview shows how the Yxy color 32.3235, 0.3394, 0.3675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

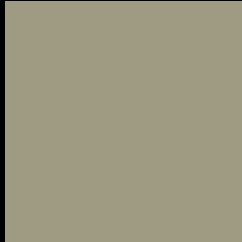
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.3235, 0.3394, 0.3675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

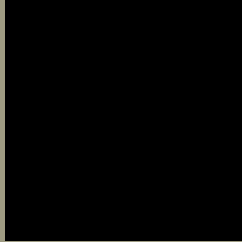
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

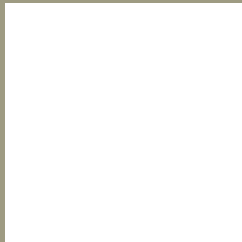
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 32.3235, 0.3394, 0.3675**

## Background



This preview shows how black text looks on a background with the Yxy color 32.3235, 0.3394, 0.3675.



This preview shows how white text looks on a background with the Yxy color 32.3235, 0.3394, 0.3675.

# 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

32.3235, 0.3394, 0.3675

### Protanopia

32.3776, 0.3448, 0.3670

### Deuteranopia

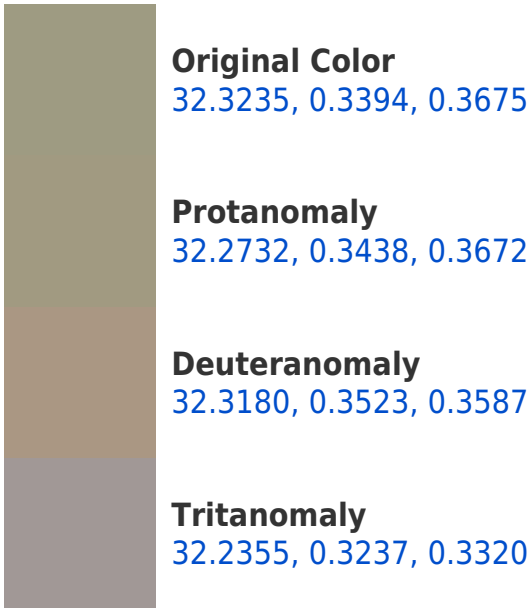
32.1656, 0.3609, 0.3537



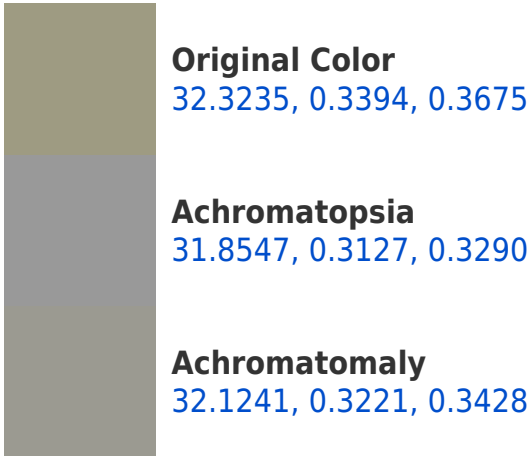
## Tritanopia

32.1027, 0.3135, 0.3114

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.3235, 0.3394, 0.3675 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(158, 155, 130) looks like.

```
.text, #text, p{  
    color:rgb(158, 155, 130)  
}
```

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(158, 155, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 155, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 32.3235, 0.3394, 0.3675 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(158, 155, 130) }
```

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

```
.border{ border-color:rgb(158, 155, 130) }
```

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

Here you see how a box with a 4 pixel rgb(158, 155, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 155, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 155, 130);  
box-shadow:4px 4px 4px 4px rgb(158, 155,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.3235, 0.3394, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 155, 130) }
```

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

```
.background{ background-color: rgb(158,  
155, 130) }
```

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