

# Converting Colors

Yxy(34.2192, 0.3558, 0.3637)

Have a look what the booklet for  
Yxy(34.2192, 0.3558, 0.3637)  
contains.

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# Color

**Yxy(34.1953, 0.3564, 0.3638)**

# Conversions

Conversions Part 1	
Format	Color
Hex	AF9B83
RGB	175, 155, 131
RGB Percent	69%, 61%, 51%
CMY	0.3136, 0.3922, 0.4864
CMYK	0.00, 0.11, 0.25, 0.31
HSL	33°, 22%, 60%
HSV	33°, 25%, 69%
XYZ	33.4997, 34.1953, 26.2997
YIQ	158.2440, 19.6240, -3.2240

# Conversions

## Conversions Part 2

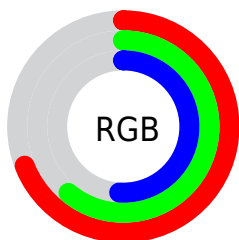
Format	Color
<a href="#">RYB</a>	<a href="#">168, 175, 131</a>
Decimal	<a href="#">11508611</a>
CIELab	<a href="#">65.12, 3.54, 15.30</a>
CIELCh	<a href="#">65, 15.707, 76.963</a>
Yxy	<a href="#">34.1953, 0.3564, 0.3638</a>
Android (android.graphics.Color)	<a href="#">4289698691</a> (0xFFAF9B83)
YUV	<a href="#">158.2440, -13.4313, 14.6950</a>
Hunter-Lab	<a href="#">58.4767, -0.0765, 14.2682</a>

# Details

The Yxy color  $34.1953, 0.3564, 0.3638$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $30.0540, 0.2732, 0.2915$ , and the grayscale version is  $34.3651, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $66.0505, 0.3478, 0.3567$ , and  $14.6474, 0.3700, 0.3737$  is the 20% darker color. If you saturate the color by 10%, you get  $31.1998, 0.3775, 0.3783$ , and if you desaturate by 10%, it is  $37.4486, 0.3375, 0.3495$ .

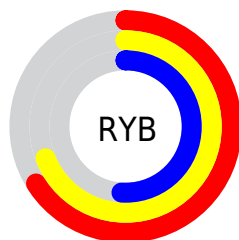
# Distribution



Red (69%)

Green (61%)

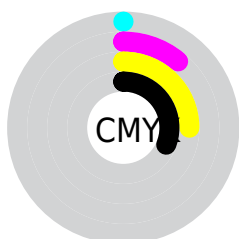
Blue (51%)



Red (66%)

Yellow (69%)

Blue (51%)

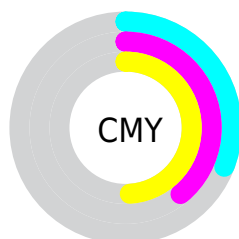


Cyan (0%)

Magenta (11%)

Yellow (25%)

Black (31%)



Cyan (31%)

Magenta (39%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1953, 0.3564, 0.3638 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 34.1953, 0.3564, 0.3638 by changing the saturation by 10% instead.




 34.1953, 0.3564,  
0.3638


 34.1953, 0.3564,  
0.3638


321.0020, 0.3334,  
0.3457


 23.0437, 0.3625,  
0.3685


 66.2373, 0.3478,  
0.3571

 14.6258, 0.3706,  
0.3746


 87.8964, 0.3446,  
0.3546

 8.5572, 0.3818,  
0.3829

 113.8268, 0.3420,  
0.3525

 4.4535, 0.3981,  
0.3947

144.4129, 0.3397,  
0.3508

 1.9303, 0.4251,  
0.4136

180.0391, 0.3378,  
0.3493

 0.5665, 0.5245,  
0.4755


221.0897, 0.3361,


 0.0000, 0.0000,


0.3479


0.0000


267.9492, 0.3347,  
0.3468


 34.1953, 0.3564,  
0.3638


 34.1953, 0.3564,  
0.3638

 31.1998, 0.3775,  
0.3783


 37.4486, 0.3375,  
0.3495


 28.4501, 0.4005,  
0.3924


 40.9621, 0.3206,  
0.3358


 25.9400, 0.4250,  
0.4052


 44.7440, 0.3058,  
0.3229


 23.6611, 0.4503,  
0.4157


 48.8006, 0.2927,  
0.3108

 21.6043, 0.4751,  
0.4227


 53.1382, 0.2813,  
0.2997


 19.7595, 0.4981,  
0.4251

 57.7625, 0.2712,  
0.2895

 18.1152, 0.5179,  
0.4222

 62.6794, 0.2624,  
0.2801

 17.3821, 0.5269,  
0.4198

 66.8208, 0.2627,  
0.2879

 71.0640, 0.2638,  
0.2971

# Harmonies

## Analogous

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



34.1953, 0.3610, 0.3469



34.1953, 0.3564, 0.3638



34.1953, 0.3399, 0.3720

# Triad

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



34.1953, 0.3564, 0.3638



34.1953, 0.2747, 0.3298



34.1953, 0.3075, 0.2936

# Complementary

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



34.1953, 0.3564, 0.3638



30.0540, 0.2732, 0.2915

# 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.



34.1953, 0.2851, 0.2884



34.1953, 0.3564, 0.3638



34.1953, 0.2668, 0.3081

# Square

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



34.1953, 0.3564, 0.3638



34.1953, 0.2927, 0.3522



34.1953, 0.2705, 0.2934



34.1953, 0.3321, 0.3073



# Rectangle

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



34.1953, 0.3564, 0.3638



34.1953, 0.3247, 0.3708



34.1953, 0.2705, 0.2934



34.1953, 0.2994, 0.2908

# Sweetspot

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



34.1969, 0.3564, 0.3638



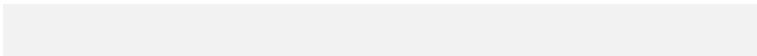
71.4203, 0.3254, 0.3398



27.5954, 0.3409, 0.2993



15.6641, 0.3279, 0.3418



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



34.1969, 0.3564, 0.3638



58.2991, 0.3674, 0.3716



41.2543, 0.3486, 0.3909



8.7119, 0.3273, 0.3414



12.5687, 0.5254, 0.4211



0.4572, 0.4853, 0.4528



# Inverse Universe

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



30.0540, 0.2732, 0.2915



49.6492, 0.2643, 0.2822



24.2648, 0.2717, 0.2592



8.3345, 0.2986, 0.3163



6.3995, 0.1738, 0.1457



0.2882, 0.1903, 0.2051



# Previews

## White Background



This preview shows how the Yxy color 34.1953, 0.3564, 0.3638 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

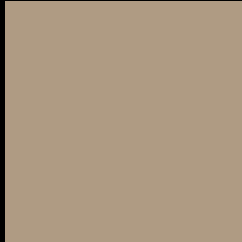
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.1953, 0.3564, 0.3638 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

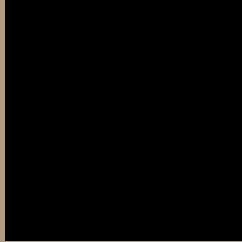
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.1953, 0.3564, 0.3638**

## Background



This preview shows how black text looks on a background with the Yxy color 34.1953, 0.3564, 0.3638.



This preview shows how white text looks on a background with the Yxy color 34.1953, 0.3564, 0.3638.

# 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

34.1953, 0.3564, 0.3638

### Protanopia

34.3352, 0.3461, 0.3675

### Deuteranopia

34.1897, 0.3649, 0.3573



## Tritanopia

34.3256, 0.3307, 0.3137

# Trichromacy



**Original Color**  
34.1953, 0.3564, 0.3638

**Protanomaly**  
34.3259, 0.3495, 0.3657

**Deuteranomaly**  
34.1517, 0.3613, 0.3590

**Tritanomaly**  
34.1558, 0.3404, 0.3305

# Monochromacy



**Original Color**  
34.1953, 0.3564, 0.3638

**Achromatopsia**  
34.1914, 0.3127, 0.3290

**Achromatomaly**  
34.1446, 0.3280, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.1953, 0.3564, 0.3638 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(175, 155, 131) looks like.

```
.text, #text, p{  
    color:rgb(175, 155, 131)  
}
```

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(175, 155, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 155, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 34.1953, 0.3564, 0.3638 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(175, 155, 131) }
```

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

```
.border{ border-color:rgb(175, 155, 131) }
```

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

Here you see how a box with a 4 pixel rgb(175, 155, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 155, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 155, 131);  
box-shadow:4px 4px 4px 4px rgb(175, 155,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.1953, 0.3564, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 155, 131) }
```

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

```
.background{ background-color: rgb(175,  
155, 131) }
```

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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