

# Converting Colors

$Y_{xy}(41.2132, 0.3173, 0.3542)$

Have a look what the booklet for  
Yxy(41.2132, 0.3173, 0.3542)  
contains.

<b>Yxy(41.0211, 0.3169, 0.3531)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(41.0211, 0.3169, 0.3531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4AF9E
RGB	164, 175, 158
RGB Percent	64%, 69%, 62%
CMY	0.3568, 0.3137, 0.3803
CMYK	0.06, 0.00, 0.10, 0.31
HSL	99°, 10%, 65%
HSV	99°, 10%, 69%
XYZ	36.8156, 41.0211, 38.3375
YIQ	169.7730, -1.0990, -7.6190

# Conversions

## Conversions Part 2

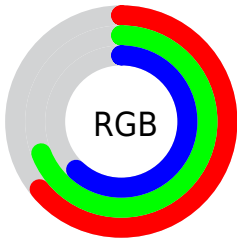
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 175, 169
Decimal	10792862
CIELab	70.19, -7.04, 7.38
CIELCh	70, 10.195, 133.645
Yxy	41.0211, 0.3169, 0.3531
Android (android.graphics.Color)	4288982942 (0xFFA4AF9E)
YUV	169.7730, -5.8041, -5.0629
Hunter-Lab	64.0477, -9.4790, 9.3438

# Details

The Yxy color **41.0211, 0.3169, 0.3531** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.9946, 0.3081, 0.3053**, and the grayscale version is **40.1122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0160, 0.3159, 0.3486**, and **18.6722, 0.3173, 0.3609** is the 20% darker color. If you saturate the color by 10%, you get **39.3104, 0.3211, 0.3804**, and if you desaturate by 10%, it is **42.9284, 0.3126, 0.3283**.

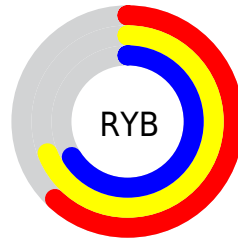
# Distribution



Red (64%)

Green (69%)

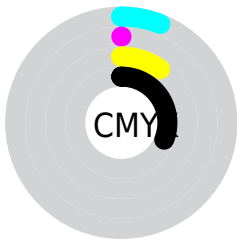
Blue (62%)



Red (62%)

Yellow (69%)

Blue (66%)

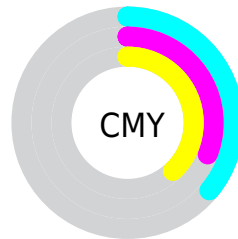


Cyan (6%)

Magenta (0%)

Yellow (10%)

Black (31%)



Cyan (36%)

Magenta (31%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0211, 0.3169, 0.3531 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 41.0211, 0.3169, 0.3531 by changing the saturation by 10% instead.





 41.0211, 0.3169,  
0.3531

 41.0211, 0.3169,  
0.3531


350.4088, 0.3148,  
0.3406

 28.3356, 0.3174,  
0.3564


 76.7159, 0.3162,  
0.3485

 18.5788, 0.3180,  
0.3606


 100.4940, 0.3159,  
0.3468

 11.3663, 0.3189,  
0.3665


128.7384, 0.3156,  
0.3453

 6.3138, 0.3200,  
0.3750

161.8335, 0.3154,  
0.3441

 3.0368, 0.3215,  
0.3885

200.1637, 0.3153,  
0.3431

 1.1510, 0.3261,  
0.4162

244.1134, 0.3151,

 0.0211, 0.0000,

0.3421

1.0000

294.0669, 0.3150,  
0.3413

0.0000, 0.0000,  
0.0000

41.0211, 0.3169,  
0.3531

41.0211, 0.3169,  
0.3531

39.3104, 0.3211,  
0.3804

42.9284, 0.3126,  
0.3283

37.7847, 0.3249,  
0.4098

45.0332, 0.3083,  
0.3060

36.4390, 0.3280,  
0.4408

47.3430, 0.3041,  
0.2861

35.2661, 0.3303,  
0.4723

49.8633, 0.3001,  
0.2685

34.2581, 0.3312,  
0.5029

52.5995, 0.2963,  
0.2530

■ 33.4068, 0.3306,  
0.5308

■ 55.0289, 0.2983,  
0.2463

■ 32.7028, 0.3283,  
0.5544

■ 56.9852, 0.3072,  
0.2485

■ 32.1357, 0.3243,  
0.5721

■ 59.0659, 0.3161,  
0.2507

■ 31.6873, 0.3195,  
0.5843

■ 59.1390, 0.3164,  
0.2508

# Harmonies

## Analogous

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



41.0211, 0.3309, 0.3549



41.0211, 0.3169, 0.3531



41.0211, 0.3021, 0.3443

# Triad

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



41.0211, 0.3169, 0.3531



41.0211, 0.2860, 0.3080



41.0211, 0.3355, 0.3262

# Complementary

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



41.0211, 0.3169, 0.3531



35.9946, 0.3081, 0.3053

# 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.



41.0211, 0.3231, 0.3144



41.0211, 0.3169, 0.3531



41.0211, 0.2945, 0.3039

# Square

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



41.0211, 0.3169, 0.3531



41.0211, 0.2845, 0.3179



41.0211, 0.3080, 0.3063



41.0211, 0.3418, 0.3390



# Rectangle

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



41.0211, 0.3169, 0.3531



41.0211, 0.2937, 0.3358



41.0211, 0.3080, 0.3063



41.0211, 0.3319, 0.3220

# Sweetspot

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



41.0229, 0.3169, 0.3531



75.7013, 0.3140, 0.3363



39.8758, 0.3278, 0.3440



16.7641, 0.3144, 0.3383



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.



41.0229, 0.3169, 0.3531



72.6706, 0.3180, 0.3597



40.4793, 0.3097, 0.3502



9.0717, 0.3167, 0.3521



22.7159, 0.3201, 0.5840



0.6631, 0.3458, 0.5636



# Inverse Universe

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



35.9946, 0.3081, 0.3053



61.5243, 0.3068, 0.2988



36.5840, 0.3158, 0.3087



8.0045, 0.3083, 0.3063



4.7778, 0.2351, 0.1069



0.1620, 0.2619, 0.1216



# Previews

## White Background



This preview shows how the Yxy color 41.0211, 0.3169, 0.3531 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

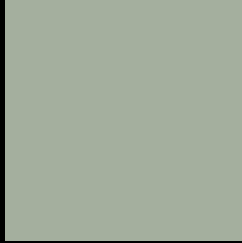
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.0211, 0.3169, 0.3531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

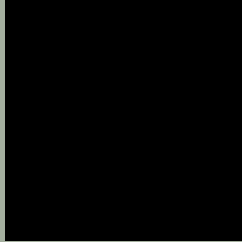
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

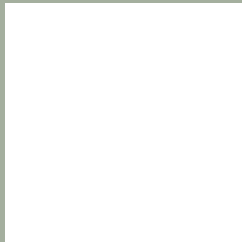
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.0211, 0.3169, 0.3531**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0211, 0.3169, 0.3531.



This preview shows how white text looks on a background with the Yxy color 41.0211, 0.3169, 0.3531.

# 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

41.0211, 0.3169, 0.3531

### Protanopia

40.9911, 0.3320, 0.3497

### Deuteranopia

40.6548, 0.3430, 0.3357



## Tritanopia

40.9534, 0.2987, 0.3099

# Trichromacy



## Original Color

41.0211, 0.3169, 0.3531

## Protanomaly

40.8236, 0.3263, 0.3499

## Deuteranomaly

40.8242, 0.3335, 0.3426

## Tritanomaly

40.8157, 0.3058, 0.3248

# Monochromacy



## Original Color

41.0211, 0.3169, 0.3531

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

40.5831, 0.3141, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0211, 0.3169, 0.3531 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(164, 175, 158)` looks like.

```
.text, #text, p{  
    color:rgb(164, 175, 158)  
}
```

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(164, 175, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 175, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0211, 0.3169, 0.3531 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(164, 175, 158) }
```

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

```
.border{ border-color:rgb(164, 175, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 175, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 175, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 175, 158);  
box-shadow:4px 4px 4px 4px rgb(164, 175,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0211, 0.3169, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 175, 158) }
```

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

```
.background{ background-color: rgb(164,  
175, 158) }
```

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