

# Converting Colors

Yxy(45.9620, 0.3199, 0.3561)

Have a look what the booklet for  
Yxy(45.9620, 0.3199, 0.3561)  
contains.

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# Color

**Yxy(45.9600, 0.3199, 0.3561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEB8A4
RGB	174, 184, 164
RGB Percent	68%, 72%, 64%
CMY	0.3179, 0.2784, 0.3569
CMYK	0.05, 0.00, 0.11, 0.28
HSL	90°, 12%, 68%
HSV	90°, 11%, 72%
XYZ	41.2879, 45.9600, 41.8170
YIQ	178.7300, 0.4600, -8.3400

# Conversions

## Conversions Part 2

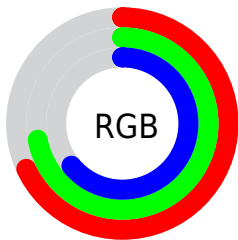
Format	Color
<a href="#">RYB</a>	<a href="#">164, 184, 174</a>
Decimal	<a href="#">11450532</a>
CIELab	<a href="#">73.52, -7.19, 8.97</a>
CIELCh	<a href="#">74, 11.492, 128.710</a>
Yxy	<a href="#">45.9600, 0.3199, 0.3561</a>
Android (android.graphics.Color)	<a href="#">4289640612 (0xFFAEB8A4)</a>
YUV	<a href="#">178.7300, -7.2619, -4.1482</a>
Hunter-Lab	<a href="#">67.7938, -9.9289, 10.8840</a>

# Details

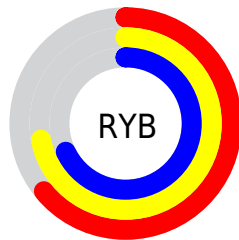
The Yxy color  $45.9600, 0.3199, 0.3561$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $39.0202, 0.3049, 0.3019$ , and the grayscale version is  $44.9641, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.2576, 0.3190, 0.3510$ , and  $21.5400, 0.3227, 0.3645$  is the 20% darker color. If you saturate the color by 10%, you get  $44.3177, 0.3264, 0.3832$ , and if you desaturate by 10%, it is  $47.7758, 0.3133, 0.3311$ .

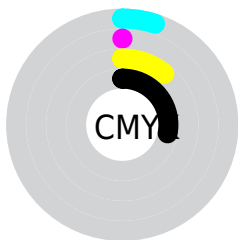
# Distribution



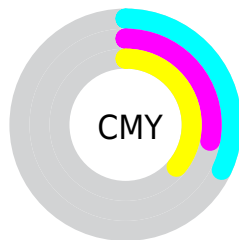
- Red (68%)
- Green (72%)
- Blue (64%)



- Red (64%)
- Yellow (72%)
- Blue (68%)



- Cyan (5%)
- Magenta (0%)
- Yellow (11%)
- Black (28%)




- Cyan (32%)
- Magenta (28%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9600, 0.3199, 0.3561 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 45.9600, 0.3199, 0.3561 by changing the saturation by 10% instead.





 45.9600, 0.3199,  
0.3561


 45.9600, 0.3199,  
0.3561


370.6478, 0.3164,  
0.3423

 32.2143, 0.3207,  
0.3596


 84.1591, 0.3186,  
0.3510

 21.5252, 0.3218,  
0.3642


 109.3813, 0.3182,  
0.3492

 13.5084, 0.3232,  
0.3703


139.1978, 0.3178,  
0.3476

 7.7796, 0.3251,  
0.3791

173.9929, 0.3174,  
0.3462

 3.9542, 0.3277,  
0.3924

214.1510, 0.3171,  
0.3450

 1.6480, 0.3317,  
0.4154

260.0566, 0.3168,

 0.3896, 0.3334,

0.3440

0.6666

312.0941, 0.3166,  
0.3431

0.0000, 0.0000,  
0.0000

45.9600, 0.3199,  
0.3561

45.9600, 0.3199,  
0.3561

44.3177, 0.3264,  
0.3832

47.7758, 0.3133,  
0.3311

42.8374, 0.3325,  
0.4118

49.7644, 0.3068,  
0.3083

41.5151, 0.3379,  
0.4415

51.9329, 0.3005,  
0.2877

40.3444, 0.3422,  
0.4710

54.2861, 0.2945,  
0.2693

39.3187, 0.3448,  
0.4992

56.7632, 0.2896,  
0.2538

■ 38.4302, 0.3456,  
0.5244

■ 58.2505, 0.2965,  
0.2553

■ 37.6708, 0.3442,  
0.5454

■ 59.8192, 0.3035,  
0.2568

■ 37.0306, 0.3407,  
0.5611

■ 61.4704, 0.3106,  
0.2583

■ 36.5346, 0.3362,  
0.5713

■ 62.7691, 0.3160,  
0.2595

# Harmonies

## Analogous

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



45.9600, 0.3345, 0.3567



45.9600, 0.3199, 0.3561



45.9600, 0.3037, 0.3477

# Triad

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



45.9600, 0.3199, 0.3561



45.9600, 0.2829, 0.3076



45.9600, 0.3356, 0.3237

# Complementary

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



45.9600, 0.3199, 0.3561



39.0202, 0.3049, 0.3019

# 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.



45.9600, 0.3213, 0.3114



45.9600, 0.3199, 0.3561



45.9600, 0.2910, 0.3020

# Square

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



45.9600, 0.3199, 0.3561



45.9600, 0.2826, 0.3191



45.9600, 0.3049, 0.3035



45.9600, 0.3438, 0.3376



# Rectangle

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



45.9600, 0.3199, 0.3561



45.9600, 0.2941, 0.3388



45.9600, 0.3049, 0.3035



45.9600, 0.3314, 0.3193

# Sweetspot

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



45.9620, 0.3199, 0.3561



85.8457, 0.3147, 0.3363



43.1493, 0.3302, 0.3424



18.4483, 0.3153, 0.3383



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



45.9620, 0.3199, 0.3561



82.5747, 0.3214, 0.3623



44.8622, 0.3114, 0.3568



10.2733, 0.3189, 0.3521



25.2155, 0.3371, 0.5706



0.9257, 0.3573, 0.5545



# Inverse Universe

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



39.0202, 0.3049, 0.3019



67.5309, 0.3030, 0.2958



40.2057, 0.3140, 0.3027



8.9355, 0.3061, 0.3059



4.0164, 0.2042, 0.0899

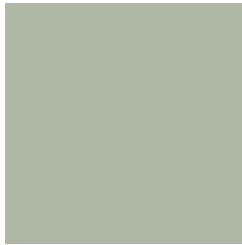


0.1784, 0.2330, 0.1057



# Previews

## White Background



This preview shows how the Yxy color 45.9600, 0.3199, 0.3561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

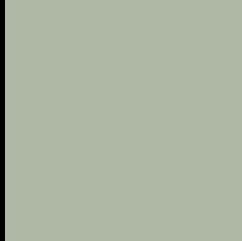
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9600, 0.3199, 0.3561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

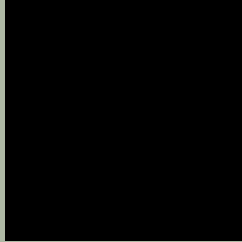
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

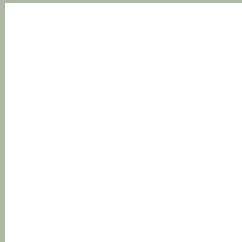
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.9600, 0.3199, 0.3561**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.9600, 0.3199, 0.3561.



This preview shows how white text looks on a background with the Yxy color 45.9600, 0.3199, 0.3561.

# 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

45.9600, 0.3199, 0.3561

### Protanopia

45.9425, 0.3345, 0.3527

### Deuteranopia

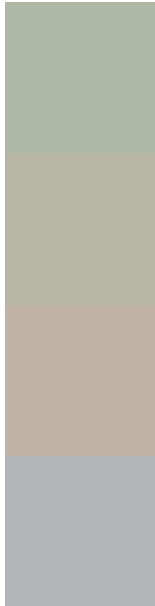
45.7218, 0.3460, 0.3392



## Tritanopia

46.0025, 0.3001, 0.3108

# Trichromacy



## Original Color

45.9600, 0.3199, 0.3561

## Protanomaly

45.7594, 0.3290, 0.3529

## Deuteranomaly

45.7639, 0.3360, 0.3459

## Tritanomaly

45.8138, 0.3078, 0.3264

# Monochromacy



## Original Color

45.9600, 0.3199, 0.3561

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.4509, 0.3149, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9600, 0.3199, 0.3561 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(174, 184, 164)` looks like.

```
.text, #text, p{  
    color:rgb(174, 184, 164)  
}
```

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(174, 184, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 184, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9600, 0.3199, 0.3561 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(174, 184, 164) }
```

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

```
.border{ border-color:rgb(174, 184, 164) }
```

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

Here you see how a box with a 4 pixel rgb(174, 184, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 184, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 184, 164);  
box-shadow:4px 4px 4px 4px rgb(174, 184,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9600, 0.3199, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 184, 164) }
```

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

```
.background{ background-color: rgb(174,  
184, 164) }
```

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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