

# Converting Colors

$Yxy(45.4653, 0.3180, 0.3693)$

Have a look what the booklet for  
Yxy(45.4653, 0.3180, 0.3693)  
contains.

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# Color

**Yxy(45.5515, 0.3175, 0.3693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5BA9D
RGB	165, 186, 157
RGB Percent	65%, 73%, 62%
CMY	0.3529, 0.2706, 0.3843
CMYK	0.11, 0.00, 0.16, 0.27
HSL	103°, 17%, 67%
HSV	103°, 16%, 73%
XYZ	39.1622, 45.5515, 38.6318
YIQ	176.4150, -3.2070, -13.4710

# Conversions

## Conversions Part 2

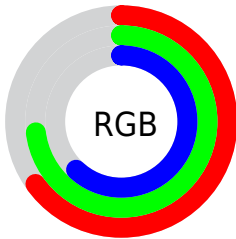
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 186, 178
Decimal	10861213
CIELab	73.25, -12.65, 12.30
CIELCh	73, 17.645, 135.817
Yxy	45.5515, 0.3175, 0.3693
Android (android.graphics.Color)	4289051293 (0xFFA5BA9D)
YUV	176.4150, -9.5716, -10.0110
Hunter-Lab	67.4919, -14.5360, 13.3072

# Details

The Yxy color **45.5515, 0.3175, 0.3693** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.1310, 0.3070, 0.2902**, and the grayscale version is **43.6974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4734, 0.3164, 0.3611**, and **21.3264, 0.3182, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **43.5958, 0.3203, 0.3985**, and if you desaturate by 10%, it is **47.7602, 0.3145, 0.3427**.

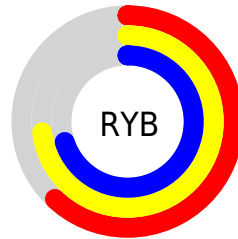
# Distribution



Red (65%)

Green (73%)

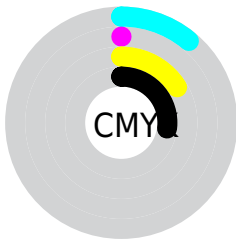
Blue (62%)



Red (62%)

Yellow (73%)

Blue (70%)

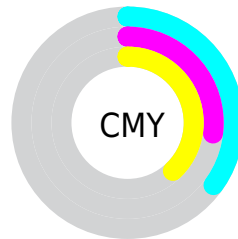


Cyan (11%)

Magenta (0%)

Yellow (16%)

Black (27%)



Cyan (35%)

Magenta (27%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5515, 0.3175, 0.3693 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 45.5515, 0.3175, 0.3693 by changing the saturation by 10% instead.





 45.5515, 0.3175,  
0.3693

 45.5515, 0.3175,  
0.3693


369.0026, 0.3153,  
0.3486

 31.8920, 0.3180,  
0.3746


 83.5474, 0.3168,  
0.3617

 21.2791, 0.3185,  
0.3816


 108.6526, 0.3165,  
0.3588

 13.3281, 0.3191,  
0.3911


138.3418, 0.3162,  
0.3564

 7.6549, 0.3198,  
0.4046

172.9995, 0.3160,  
0.3544

 3.8749, 0.3204,  
0.4256

213.0101, 0.3158,  
0.3527

 1.6038, 0.3216,  
0.4647

258.7578, 0.3156,

 0.3602, 0.0850,

0.3511

0.9150

310.6272, 0.3155,  
0.3498

0.0000, 0.0000,  
0.0000

45.5515, 0.3175,  
0.3693

45.5515, 0.3175,  
0.3693

43.5958, 0.3203,  
0.3985

47.7602, 0.3145,  
0.3427

41.8781, 0.3225,  
0.4298

50.2245, 0.3113,  
0.3188

40.3907, 0.3240,  
0.4623

52.9546, 0.3082,  
0.2976

39.1234, 0.3246,  
0.4946

55.9582, 0.3051,  
0.2789

38.0650, 0.3238,  
0.5250

59.2428, 0.3022,  
0.2624

■ 37.2032, 0.3217,  
0.5514

■ 61.9073, 0.3089,  
0.2599

■ 36.5245, 0.3183,  
0.5720

■ 63.5995, 0.3159,  
0.2614

■ 36.0127, 0.3139,  
0.5857

■ 35.8294, 0.3121,  
0.5904

# Harmonies

## Analogous

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



45.5515, 0.3413, 0.3729



45.5515, 0.3175, 0.3693



45.5515, 0.2931, 0.3535

# Triad

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



45.5515, 0.3175, 0.3693



45.5515, 0.2692, 0.2930



45.5515, 0.3522, 0.3255

# Complementary

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



45.5515, 0.3175, 0.3693



37.1310, 0.3070, 0.2902

# 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.



45.5515, 0.3316, 0.3062



45.5515, 0.3175, 0.3693



45.5515, 0.2837, 0.2876

# Square

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



45.5515, 0.3175, 0.3693



45.5515, 0.2659, 0.3084



45.5515, 0.3064, 0.2925



45.5515, 0.3619, 0.3465



# Rectangle

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



45.5515, 0.3175, 0.3693



45.5515, 0.2797, 0.3386



45.5515, 0.3064, 0.2925



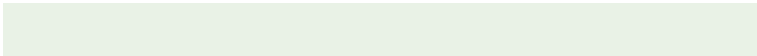
45.5515, 0.3463, 0.3187

# Sweetspot

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



45.5535, 0.3175, 0.3693



86.7776, 0.3143, 0.3414



44.6317, 0.3373, 0.3566



19.0440, 0.3145, 0.3432



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

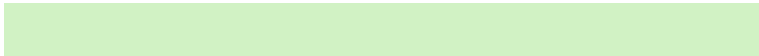


# Same Dimension

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



45.5535, 0.3175, 0.3693



81.1896, 0.3186, 0.3799



44.9439, 0.3060, 0.3610



10.1766, 0.3156, 0.3523



24.1364, 0.3128, 0.5898



0.8827, 0.3334, 0.5735



# Inverse Universe

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



37.1310, 0.3070, 0.2902



62.7585, 0.3054, 0.2804



37.8421, 0.3202, 0.2990



9.0350, 0.3095, 0.3062



5.8763, 0.2530, 0.1168



0.2362, 0.2714, 0.1268



# Previews

## White Background



This preview shows how the Yxy color 45.5515, 0.3175, 0.3693 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 45.5515, 0.3175, 0.3693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

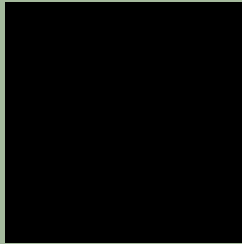
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.5515, 0.3175, 0.3693**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.5515, 0.3175, 0.3693.



This preview shows how white text looks on a background with the Yxy color 45.5515, 0.3175, 0.3693.

# 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

45.5515, 0.3175, 0.3693

### Protanopia

45.3921, 0.3424, 0.3620

### Deuteranopia

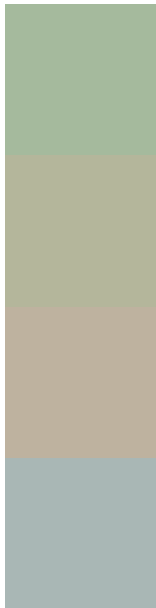
45.2626, 0.3526, 0.3455



## Tritanopia

45.6458, 0.2937, 0.3106

# Trichromacy



## Original Color

45.5515, 0.3175, 0.3693

## Protanomaly

45.5258, 0.3328, 0.3654

## Deuteranomaly

45.2911, 0.3393, 0.3539

## Tritanomaly

45.6382, 0.3026, 0.3317

# Monochromacy



## Original Color

45.5515, 0.3175, 0.3693

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

44.2777, 0.3146, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5515, 0.3175, 0.3693 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(165, 186, 157)` looks like.

```
.text, #text, p{  
    color:rgb(165, 186, 157)  
}
```

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(165, 186, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 186, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5515, 0.3175, 0.3693 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(165, 186, 157) }
```

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

```
.border{ border-color:rgb(165, 186, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 186, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 186, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 186, 157);  
box-shadow:4px 4px 4px 4px rgb(165, 186,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5515, 0.3175, 0.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 186, 157) }
```

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

```
.background{ background-color: rgb(165,  
186, 157) }
```

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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