

# Converting Colors

$Yxy(43.7264, 0.3319, 0.3667)$

Have a look what the booklet for  
Yxy(43.7264, 0.3319, 0.3667)  
contains.

<b>Yxy(43.6212, 0.3313, 0.3662)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(43.6212, 0.3313, 0.3662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFB398
RGB	175, 179, 152
RGB Percent	69%, 70%, 60%
CMY	0.3137, 0.2980, 0.4040
CMYK	0.02, 0.00, 0.15, 0.30
HSL	69°, 15%, 65%
HSV	69°, 15%, 70%
XYZ	39.4640, 43.6212, 36.0334
YIQ	174.7260, 6.2830, -9.2450

# Conversions

## Conversions Part 2

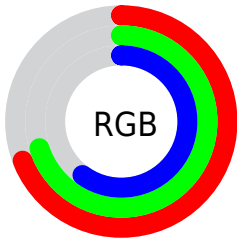
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 179, 156
Decimal	11514776
CIELab	71.97, -6.19, 13.34
CIELCh	72, 14.706, 114.882
Yxy	43.6212, 0.3313, 0.3662
Android (android.graphics.Color)	4289704856 (0xFFAFB398)
YUV	174.7260, -11.2039, 0.2403
Hunter-Lab	66.0463, -8.9239, 13.8852

# Details

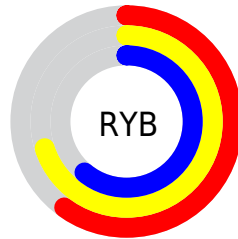
The Yxy color **43.6212, 0.3313, 0.3662** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.7694, 0.2925, 0.2898**, and the grayscale version is **42.7769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8618, 0.3283, 0.3597**, and **19.9989, 0.3361, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **42.7757, 0.3437, 0.3919**, and if you desaturate by 10%, it is **44.5651, 0.3189, 0.3413**.

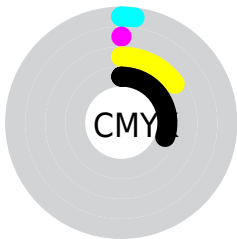
# Distribution



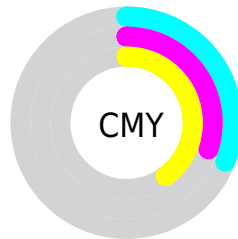
- Red (69%)
- Green (70%)
- Blue (60%)



- Red (60%)
- Yellow (70%)
- Blue (61%)



- Cyan (2%)
- Magenta (0%)
- Yellow (15%)
- Black (30%)




- Cyan (31%)
- Magenta (30%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6212, 0.3313, 0.3662 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 43.6212, 0.3313, 0.3662 by changing the saturation by 10% instead.





 43.6212, 0.3313,  
0.3662


 43.6212, 0.3313,  
0.3662


361.1603, 0.3220,  
0.3472

 30.3728, 0.3336,  
0.3711


 80.6474, 0.3279,  
0.3592

 20.1217, 0.3365,  
0.3775


 105.1941, 0.3267,  
0.3566

 12.4836, 0.3404,  
0.3861

134.2756, 0.3256,  
0.3544

 7.0739, 0.3457,  
0.3984

168.2764, 0.3247,  
0.3525

 3.5084, 0.3533,  
0.4173

207.5809, 0.3239,  
0.3509

 1.4025, 0.3730,  
0.4596

252.5734, 0.3232,

 0.2186, 0.2060,

0.3495

0.7940

303.6384, 0.3226,  
0.3483

0.0000, 0.0000,  
0.0000

43.6212, 0.3313,  
0.3662

43.6212, 0.3313,  
0.3662

42.7757, 0.3437,  
0.3919

44.5651, 0.3189,  
0.3413

42.0189, 0.3558,  
0.4176

45.6053, 0.3069,  
0.3176

41.3485, 0.3669,  
0.4426

46.7475, 0.2954,  
0.2954

40.7596, 0.3767,  
0.4657

47.9948, 0.2846,  
0.2750

40.2473, 0.3846,  
0.4860

49.3505, 0.2746,  
0.2563

■ 39.8057, 0.3901,  
0.5026

■ 50.5323, 0.2680,  
0.2434

■ 39.4282, 0.3931,  
0.5149

■ 50.8799, 0.2699,  
0.2438

■ 39.1067, 0.3937,  
0.5228

■ 51.2338, 0.2718,  
0.2443

■ 38.9608, 0.3934,  
0.5258

■ 51.5940, 0.2737,  
0.2447

# Harmonies

## Analogous

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



43.6212, 0.3476, 0.3619



43.6212, 0.3313, 0.3662



43.6212, 0.3104, 0.3598

# Triad

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



43.6212, 0.3313, 0.3662



43.6212, 0.2727, 0.3070



43.6212, 0.3346, 0.3142

# Complementary

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



43.6212, 0.3313, 0.3662



32.7694, 0.2925, 0.2898

# 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.



43.6212, 0.3139, 0.3007



43.6212, 0.3313, 0.3662



43.6212, 0.2786, 0.2962

# Square

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



43.6212, 0.3313, 0.3662



43.6212, 0.2770, 0.3245



43.6212, 0.2935, 0.2941



43.6212, 0.3497, 0.3316



# Rectangle

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



43.6212, 0.3313, 0.3662



43.6212, 0.2968, 0.3501



43.6212, 0.2935, 0.2941



43.6212, 0.3281, 0.3091

# Sweetspot

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



43.6231, 0.3313, 0.3662



79.8097, 0.3189, 0.3412



35.4863, 0.3397, 0.3341



17.6546, 0.3197, 0.3429



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



43.6231, 0.3313, 0.3662



77.6157, 0.3353, 0.3744



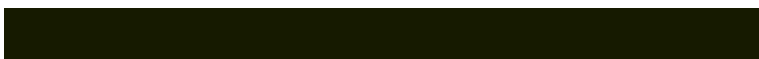
42.1792, 0.3195, 0.3676



9.8415, 0.3241, 0.3517



27.5508, 0.3937, 0.5256



0.8842, 0.4013, 0.5195



# Inverse Universe

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



32.7694, 0.2925, 0.2898



54.5783, 0.2876, 0.2806



34.1484, 0.3048, 0.2912



8.2887, 0.3007, 0.3056



2.4787, 0.1568, 0.0638



0.0968, 0.1784, 0.0756



# Previews

## White Background



This preview shows how the Yxy color 43.6212, 0.3313, 0.3662 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 43.6212, 0.3313, 0.3662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

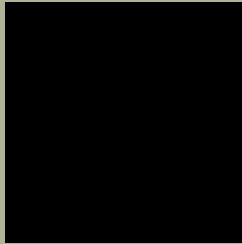
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

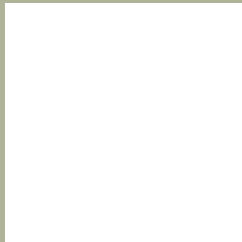
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.6212, 0.3313, 0.3662**

## Background



This preview shows how black text looks on a background with the Yxy color 43.6212, 0.3313, 0.3662.



This preview shows how white text looks on a background with the Yxy color 43.6212, 0.3313, 0.3662.

# 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

43.6212, 0.3313, 0.3662

### Protanopia

43.5670, 0.3428, 0.3640

### Deuteranopia

43.5001, 0.3560, 0.3496



## Tritanopia

43.6062, 0.3066, 0.3107

# Trichromacy



## Original Color

43.6212, 0.3313, 0.3662

## Protanomaly

43.5024, 0.3380, 0.3643

## Deuteranomaly

43.3935, 0.3475, 0.3554

## Tritanomaly

43.6108, 0.3153, 0.3303

# Monochromacy



## Original Color

43.6212, 0.3313, 0.3662

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

42.9546, 0.3192, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6212, 0.3313, 0.3662 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, 179, 152)` looks like.

```
.text, #text, p{  
    color:rgb(175, 179, 152)  
}
```

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, 179, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 179, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6212, 0.3313, 0.3662 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, 179, 152) }
```

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

```
.border{ border-color:rgb(175, 179, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 179, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 179, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 179, 152);  
box-shadow:4px 4px 4px 4px rgb(175, 179,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6212, 0.3313, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 179, 152) }
```

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

```
.background{ background-color: rgb(175,  
179, 152) }
```

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