

# Converting Colors

$Yxy(43.9424, 0.3255, 0.3455)$

Have a look what the booklet for  
Yxy(43.9424, 0.3255, 0.3455)  
contains.

<b>Yxy(43.8642, 0.3253, 0.3452)</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(43.8642, 0.3253, 0.3452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4B1A5
RGB	180, 177, 165
RGB Percent	71%, 69%, 65%
CMY	0.2941, 0.3059, 0.3531
CMYK	0.00, 0.02, 0.08, 0.29
HSL	48°, 9%, 68%
HSV	48°, 8%, 71%
XYZ	41.3355, 43.8642, 41.8692
YIQ	176.5290, 5.6400, -3.0960

# Conversions

## Conversions Part 2

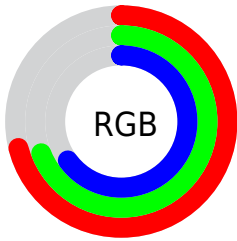
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 180, 165
Decimal	11841957
CIE Lab	72.14, -1.08, 6.52
CIE LCh	72, 6.614, 99.439
Yxy	43.8642, 0.3253, 0.3452
Android (android.graphics.Color)	4290032037 (0xFFB4B1A5)
YUV	176.5290, -5.6838, 3.0441
Hunter-Lab	66.2301, -4.4971, 8.8792

# Details

The Yxy color **43.8642, 0.3253, 0.3452** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.2878, 0.3000, 0.3123**, and the grayscale version is **43.7355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2780, 0.3230, 0.3425**, and **20.1196, 0.3290, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **41.8531, 0.3414, 0.3653**, and if you desaturate by 10%, it is **46.0089, 0.3103, 0.3259**.

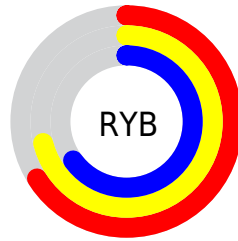
# Distribution



Red (71%)

Green (69%)

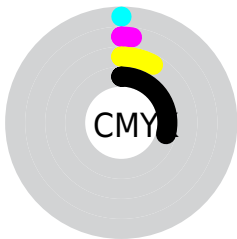
Blue (65%)



Red (66%)

Yellow (71%)

Blue (65%)

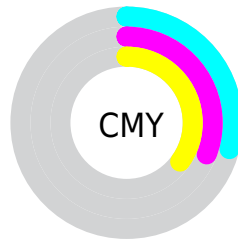


Cyan (0%)

Magenta (2%)

Yellow (8%)

Black (29%)



Cyan (29%)

Magenta (31%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8642, 0.3253, 0.3452 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 43.8642, 0.3253, 0.3452 by changing the saturation by 10% instead.





 43.8642, 0.3253,  
0.3452


 43.8642, 0.3253,  
0.3452

362.1538, 0.3190,  
0.3370

 30.5638, 0.3269,  
0.3473


 81.0134, 0.3230,  
0.3422

 20.2669, 0.3290,  
0.3500


 105.6309, 0.3221,  
0.3411

 12.5892, 0.3318,  
0.3536


134.7895, 0.3214,  
0.3401

 7.1463, 0.3357,  
0.3588

168.8737, 0.3208,  
0.3393

 3.5538, 0.3416,  
0.3666

208.2679, 0.3202,  
0.3386

 1.4272, 0.3516,  
0.3801

253.3563, 0.3197,

 0.2366, 0.4561,

0.3380

0.5439

304.5235, 0.3193,  
0.3375

0.0000, 0.0000,  
0.0000

43.8642, 0.3253,  
0.3452

43.8642, 0.3253,  
0.3452

41.8531, 0.3414,  
0.3653

46.0089, 0.3103,  
0.3259

39.9657, 0.3583,  
0.3858

48.2854, 0.2966,  
0.3077

38.1996, 0.3758,  
0.4059

50.6991, 0.2841,  
0.2907

36.5500, 0.3934,  
0.4250

53.2538, 0.2728,  
0.2750

35.0118, 0.4103,  
0.4421

55.9527, 0.2626,  
0.2605

■ 33.5794, 0.4258,  
0.4561

■ 57.5867, 0.2630,  
0.2648

■ 32.2464, 0.4393,  
0.4662

■ 59.2581, 0.2635,  
0.2690

■ 31.0054, 0.4501,  
0.4718

■ 60.9690, 0.2640,  
0.2732

■ 29.8442, 0.4583,  
0.4732

■ 62.7195, 0.2644,  
0.2775

# Harmonies

## Analogous

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



43.8642, 0.3305, 0.3414



43.8642, 0.3253, 0.3452



43.8642, 0.3168, 0.3446

# Triad

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



43.8642, 0.3253, 0.3452



43.8642, 0.2949, 0.3232



43.8642, 0.3180, 0.3188

# Complementary

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



43.8642, 0.3253, 0.3452



39.2878, 0.3000, 0.3123

# 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.



43.8642, 0.3085, 0.3140



43.8642, 0.3253, 0.3452



43.8642, 0.2952, 0.3164

# Square

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



43.8642, 0.3253, 0.3452



43.8642, 0.2993, 0.3317



43.8642, 0.3002, 0.3131



43.8642, 0.3263, 0.3262



# Rectangle

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



43.8642, 0.3253, 0.3452



43.8642, 0.3104, 0.3417



43.8642, 0.3002, 0.3131



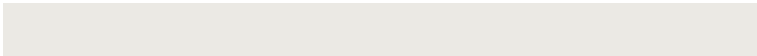
43.8642, 0.3149, 0.3168

# Sweetspot

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



43.8661, 0.3253, 0.3452



81.5584, 0.3172, 0.3348



39.4296, 0.3242, 0.3249



17.5606, 0.3184, 0.3364



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.



43.8661, 0.3253, 0.3452



78.8477, 0.3281, 0.3488



44.5346, 0.3209, 0.3494



9.6123, 0.3268, 0.3471



20.7926, 0.4590, 0.4737



0.7277, 0.4461, 0.4840



# Inverse Universe

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



39.2878, 0.3000, 0.3123



68.8694, 0.2971, 0.3084



38.6826, 0.3041, 0.3083



8.4962, 0.2985, 0.3102



3.2585, 0.1560, 0.0816



0.1830, 0.1699, 0.1316



# Previews

## White Background



This preview shows how the Yxy color 43.8642, 0.3253, 0.3452 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 43.8642, 0.3253, 0.3452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

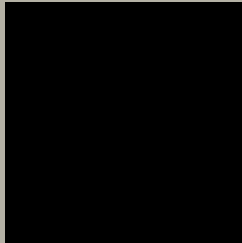
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

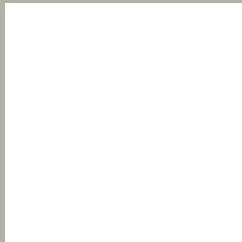
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.8642, 0.3253, 0.3452**

## Background



This preview shows how black text looks on a background with the Yxy color 43.8642, 0.3253, 0.3452.



This preview shows how white text looks on a background with the Yxy color 43.8642, 0.3253, 0.3452.

# 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

43.8642, 0.3253, 0.3452

### Protanopia

43.7983, 0.3290, 0.3451

### Deuteranopia

43.8848, 0.3420, 0.3355



## Tritanopia

43.9272, 0.3100, 0.3121

# Trichromacy



## Original Color

43.8642, 0.3253, 0.3452

## Protanomaly

43.6761, 0.3281, 0.3451

## Deuteranomaly

43.7167, 0.3351, 0.3382

## Tritanomaly

43.8597, 0.3156, 0.3237

# Monochromacy



## Original Color

43.8642, 0.3253, 0.3452

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.9264, 0.3169, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8642, 0.3253, 0.3452 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(180, 177, 165)` looks like.

```
.text, #text, p{  
    color:rgb(180, 177, 165)  
}
```

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(180, 177, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 177, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8642, 0.3253, 0.3452 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(180, 177, 165) }
```

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

```
.border{ border-color:rgb(180, 177, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 177, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 177, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 177, 165);  
box-shadow:4px 4px 4px 4px rgb(180, 177,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8642, 0.3253, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 177, 165) }
```

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

```
.background{ background-color: rgb(180,  
177, 165) }
```

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