

# Converting Colors

$Y_{xy}(40.1203, 0.3383, 0.3752)$

Have a look what the booklet for  
Yxy(40.1203, 0.3383, 0.3752)  
contains.

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# Color

**Yxy(39.9445, 0.3382, 0.3746)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AAAC8C
RGB	170, 172, 140
RGB Percent	67%, 67%, 55%
CMY	0.3334, 0.3255, 0.4509
CMYK	0.01, 0.00, 0.19, 0.33
HSL	64°, 16%, 61%
HSV	64°, 19%, 67%
XYZ	36.0631, 39.9445, 30.6248
YIQ	167.7540, 9.0800, -10.3760

# Conversions

## Conversions Part 2

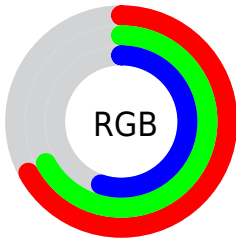
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 172, 142
Decimal	11185292
CIELab	69.43, -6.26, 16.25
CIELCh	69, 17.417, 111.058
Yxy	39.9445, 0.3382, 0.3746
Android (android.graphics.Color)	4289375372 (0xFFAAAC8C)
YUV	167.7540, -13.6827, 1.9697
Hunter-Lab	63.2017, -8.7502, 15.5118

# Details

The Yxy color **39.9445, 0.3382, 0.3746** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.4919, 0.2846, 0.2796**, and the grayscale version is **39.0966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8408, 0.3330, 0.3651**, and **18.0227, 0.3458, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **39.3577, 0.3520, 0.3997**, and if you desaturate by 10%, it is **40.6152, 0.3244, 0.3497**.

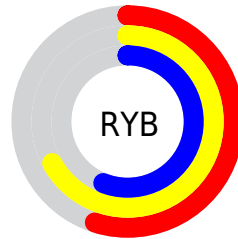
# Distribution



Red (67%)

Green (67%)

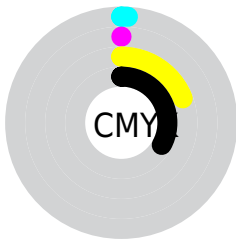
Blue (55%)



Red (55%)

Yellow (67%)

Blue (56%)

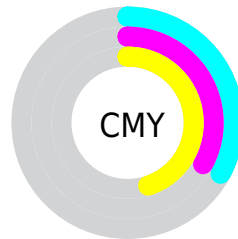


Cyan (1%)

Magenta (0%)

Yellow (19%)

Black (33%)



Cyan (33%)

Magenta (33%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9445, 0.3382, 0.3746 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 39.9445, 0.3382, 0.3746 by changing the saturation by 10% instead.





 39.9445, 0.3382,  
0.3746


 39.9445, 0.3382,  
0.3746


345.8896, 0.3253,  
0.3509


 27.4953, 0.3414,  
0.3808


 75.0790, 0.3335,  
0.3658

 17.9455, 0.3456,  
0.3889


 98.5330, 0.3317,  
0.3625

 10.9109, 0.3511,  
0.4000


 126.4242, 0.3303,  
0.3598

 6.0069, 0.3586,  
0.4159

159.1368, 0.3290,  
0.3575

 2.8493, 0.3695,  
0.4408

197.0552, 0.3279,  
0.3555

 1.0536, 0.4434,  
0.5565

240.5639, 0.3269,

 0.0000, 0.0000,

0.3538

0.0000

290.0472, 0.3261,  
0.3523

■ 39.9445, 0.3382,  
0.3746

■ 39.9445, 0.3382,  
0.3746

■ 39.3577, 0.3520,  
0.3997

■ 40.6152, 0.3244,  
0.3497

■ 38.8457, 0.3653,  
0.4243

■ 41.3679, 0.3109,  
0.3257

■ 38.4064, 0.3776,  
0.4474

■ 42.2075, 0.2980,  
0.3029

■ 38.0354, 0.3883,  
0.4680

■ 43.1373, 0.2858,  
0.2817

■ 37.7280, 0.3969,  
0.4854

■ 44.1600, 0.2746,  
0.2621

■ 37.4788, 0.4031,  
0.4988

■ 45.2784, 0.2642,  
0.2442

■ 37.2813, 0.4068,  
0.5079

■ 46.1414, 0.2579,  
0.2330

■ 37.1242, 0.4083,  
0.5132

■ 46.2695, 0.2586,  
0.2332

■ 37.1031, 0.4084,  
0.5139

■ 46.3987, 0.2594,  
0.2334

# Harmonies

## Analogous

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



39.9445, 0.3570, 0.3674



39.9445, 0.3382, 0.3746



39.9445, 0.3131, 0.3686

# Triad

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



39.9445, 0.3382, 0.3746



39.9445, 0.2642, 0.3043



39.9445, 0.3364, 0.3086

# Complementary

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



39.9445, 0.3382, 0.3746



27.4919, 0.2846, 0.2796

# 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.



39.9445, 0.3107, 0.2933



39.9445, 0.3382, 0.3746



39.9445, 0.2698, 0.2902

# Square

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



39.9445, 0.3382, 0.3746



39.9445, 0.2709, 0.3264



39.9445, 0.2864, 0.2865



39.9445, 0.3562, 0.3292



# Rectangle

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



39.9445, 0.3382, 0.3746



39.9445, 0.2962, 0.3576



39.9445, 0.2864, 0.2865



39.9445, 0.3281, 0.3028

# Sweetspot

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



39.9463, 0.3382, 0.3746



74.0024, 0.3210, 0.3436



29.8961, 0.3477, 0.3315



16.0645, 0.3218, 0.3452



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



39.9463, 0.3382, 0.3746



72.0412, 0.3435, 0.3841



38.3114, 0.3235, 0.3768



9.3042, 0.3253, 0.3515



27.6177, 0.4085, 0.5138



0.7758, 0.4120, 0.5110



# Inverse Universe

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



27.4919, 0.2846, 0.2796



45.5574, 0.2780, 0.2681



28.9683, 0.3001, 0.2817



7.7804, 0.2995, 0.3056



2.2776, 0.1525, 0.0614



0.0710, 0.1631, 0.0672



# Previews

## White Background



This preview shows how the Yxy color 39.9445, 0.3382, 0.3746 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

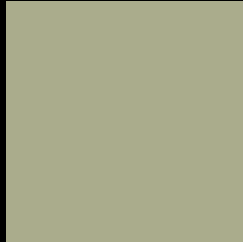
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9445, 0.3382, 0.3746 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

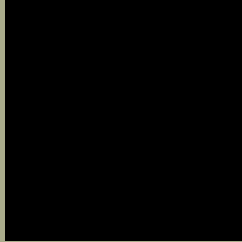
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

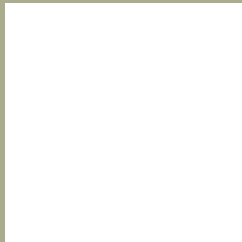
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.9445, 0.3382, 0.3746**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9445, 0.3382, 0.3746.



This preview shows how white text looks on a background with the Yxy color 39.9445, 0.3382, 0.3746.

# 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

39.9445, 0.3382, 0.3746

### Protanopia

39.8237, 0.3486, 0.3708

### Deuteranopia

39.7495, 0.3635, 0.3569



## Tritanopia

40.0467, 0.3090, 0.3114

# Trichromacy



## Original Color

39.9445, 0.3382, 0.3746

## Protanomaly

39.8436, 0.3454, 0.3725

## Deuteranomaly

39.6346, 0.3545, 0.3632

## Tritanomaly

39.9768, 0.3198, 0.3346

# Monochromacy



## Original Color

39.9445, 0.3382, 0.3746

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

39.2796, 0.3221, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9445, 0.3382, 0.3746 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(170, 172, 140)` looks like.

```
.text, #text, p{  
    color:rgb(170, 172, 140)  
}
```

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(170, 172, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 172, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9445, 0.3382, 0.3746 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(170, 172, 140) }
```

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

```
.border{ border-color:rgb(170, 172, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 172, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 172, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 172, 140);  
box-shadow:4px 4px 4px 4px rgb(170, 172,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9445, 0.3382, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 172, 140) }
```

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

```
.background{ background-color: rgb(170,  
172, 140) }
```

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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