

# Converting Colors

$Yxy(53.3992, 0.3437, 0.3731)$

Have a look what the booklet for  
Yxy(53.3992, 0.3437, 0.3731)  
contains.

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# Color

**Yxy(53.2289, 0.3438, 0.3727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7C29F
RGB	199, 194, 159
RGB Percent	78%, 76%, 62%
CMY	0.2196, 0.2392, 0.3764
CMYK	0.00, 0.03, 0.20, 0.22
HSL	53°, 26%, 70%
HSV	53°, 20%, 78%
XYZ	49.1014, 53.2289, 40.4894
YIQ	191.5050, 14.2150, -9.8250

# Conversions

## Conversions Part 2

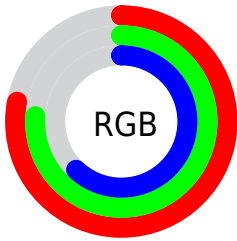
Format	Color
<a href="#">RYB</a>	<a href="#">165, 199, 159</a>
Decimal	<a href="#">13091487</a>
CIELab	<a href="#">78.01, -4.02, 18.26</a>
CIELCh	<a href="#">78, 18.702, 102.415</a>
Yxy	<a href="#">53.2289, 0.3438, 0.3727</a>
Android (android.graphics.Color)	<a href="#">4291281567</a> ( <a href="#">0xFFC7C29F</a> )
YUV	<a href="#">191.5050, -16.0250, 6.5731</a>
Hunter-Lab	<a href="#">72.9581, -7.5448, 18.1667</a>

# Details

The Yxy color **53.2289, 0.3438, 0.3727** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.0419, 0.2800, 0.2812**, and the grayscale version is **52.4984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4863, 0.3377, 0.3644**, and **26.1310, 0.3525, 0.3861** is the 20% darker color. If you saturate the color by 10%, you get **51.5003, 0.3602, 0.3949**, and if you desaturate by 10%, it is **55.0919, 0.3279, 0.3506**.

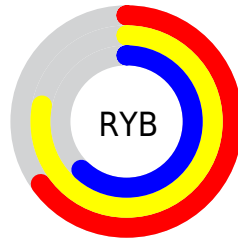
# Distribution



Red (78%)

Green (76%)

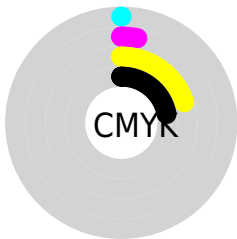
Blue (62%)



Red (65%)

Yellow (78%)

Blue (62%)

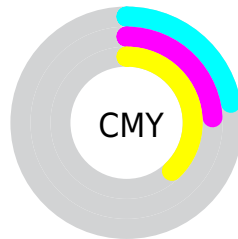


Cyan (0%)

Magenta (3%)

Yellow (20%)

Black (22%)



Cyan (22%)

Magenta (24%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2289, 0.3438, 0.3727 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 53.2289, 0.3438, 0.3727 by changing the saturation by 10% instead.





 53.2289, 0.3438,  
0.3727


 53.2289, 0.3438,  
0.3727


399.1627, 0.3287,  
0.3512

 37.9855, 0.3474,  
0.3780

 94.9411, 0.3384,  
0.3650

 25.9715, 0.3519,  
0.3846


 122.1787, 0.3364,  
0.3620

 16.8023, 0.3578,  
0.3933


154.1832, 0.3347,  
0.3596

 10.0936, 0.3656,  
0.4052

191.3390, 0.3331,  
0.3574

 5.4611, 0.3764,  
0.4223

234.0305, 0.3318,  
0.3555

 2.5203, 0.3923,  
0.4486

282.6419, 0.3307,

 0.8867, 0.4565,

0.3539

0.5435

337.5579, 0.3297,  
0.3525

0.0000, 0.0000,  
0.0000

53.2289, 0.3438,  
0.3727

53.2289, 0.3438,  
0.3727

51.5003, 0.3602,  
0.3949

55.0919, 0.3279,  
0.3506

49.8935, 0.3766,  
0.4166

57.0872, 0.3129,  
0.3292

48.4052, 0.3924,  
0.4367

59.2220, 0.2988,  
0.3089

47.0288, 0.4071,  
0.4544

61.5007, 0.2858,  
0.2899

45.7574, 0.4199,  
0.4686

63.6999, 0.2760,  
0.2757

■ 44.5829, 0.4303,  
0.4788

■ 64.9066, 0.2763,  
0.2785

■ 43.4957, 0.4380,  
0.4844

■ 66.1322, 0.2765,  
0.2813

■ 42.4869, 0.4432,  
0.4863

■ 67.3768, 0.2767,  
0.2841

■ 68.6405, 0.2769,  
0.2869

# Harmonies

## Analogous

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



53.2289, 0.3592, 0.3625



53.2289, 0.3438, 0.3727



53.2289, 0.3204, 0.3706

# Triad

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



53.2289, 0.3438, 0.3727



53.2289, 0.2660, 0.3106



53.2289, 0.3289, 0.3041

# Complementary

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



53.2289, 0.3438, 0.3727



38.0419, 0.2800, 0.2812

# 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.



53.2289, 0.3035, 0.2912



53.2289, 0.3438, 0.3727



53.2289, 0.2680, 0.2941

# Square

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



53.2289, 0.3438, 0.3727



53.2289, 0.2759, 0.3334



53.2289, 0.2814, 0.2874



53.2289, 0.3506, 0.3231



# Rectangle

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



53.2289, 0.3438, 0.3727



53.2289, 0.3036, 0.3621



53.2289, 0.2814, 0.2874



53.2289, 0.3205, 0.2990

# Sweetspot

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



53.2313, 0.3438, 0.3727



97.8429, 0.3218, 0.3419



39.6319, 0.3470, 0.3222



20.8933, 0.3228, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



53.2313, 0.3438, 0.3727



91.8958, 0.3507, 0.3822



53.5772, 0.3304, 0.3805



12.1827, 0.3268, 0.3490



27.4108, 0.4428, 0.4866



1.3628, 0.4373, 0.4910



# Inverse Universe

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



38.0419, 0.2800, 0.2812



60.6356, 0.2722, 0.2695



37.8821, 0.2922, 0.2761



10.4969, 0.2983, 0.3081



3.1639, 0.1529, 0.0702

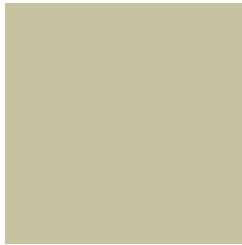


0.2221, 0.1607, 0.0986



# Previews

## White Background



This preview shows how the Yxy color 53.2289, 0.3438, 0.3727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

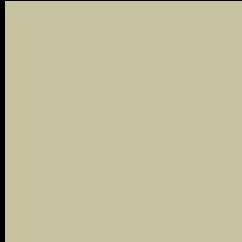
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.2289, 0.3438, 0.3727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

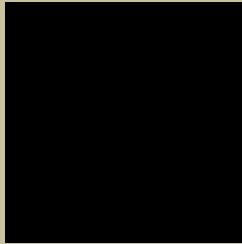
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

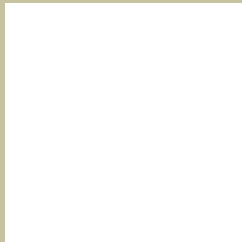
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.2289, 0.3438, 0.3727**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2289, 0.3438, 0.3727.



This preview shows how white text looks on a background with the Yxy color 53.2289, 0.3438, 0.3727.

# 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

53.2289, 0.3438, 0.3727

### Protanopia

53.0053, 0.3494, 0.3710

### Deuteranopia

52.9591, 0.3657, 0.3572



## Tritanopia

53.2574, 0.3152, 0.3112

# Trichromacy



## Original Color

53.2289, 0.3438, 0.3727

## Protanomaly

53.1651, 0.3474, 0.3724

## Deuteranomaly

52.8006, 0.3576, 0.3627

## Tritanomaly

53.1113, 0.3258, 0.3327

# Monochromacy



## Original Color

53.2289, 0.3438, 0.3727

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.0373, 0.3242, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2289, 0.3438, 0.3727 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(199, 194, 159)` looks like.

```
.text, #text, p{  
    color:rgb(199, 194, 159)  
}
```

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(199, 194, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 194, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2289, 0.3438, 0.3727 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(199, 194, 159) }
```

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

```
.border{ border-color:rgb(199, 194, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 194, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 194, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 194, 159); box-shadow:4px 4px 4px 4px rgb(199, 194, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2289, 0.3438, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 194, 159) }
```

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

```
.background{ background-color: rgb(199,  
194, 159) }
```

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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