

# Converting Colors

Yxy(54.2302, 0.3415, 0.3796)

Have a look what the booklet for  
Yxy(54.2302, 0.3415, 0.3796)  
contains.

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# Color

**Yxy(53.9689, 0.3413, 0.3793)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3C59D
RGB	195, 197, 157
RGB Percent	76%, 77%, 62%
CMY	0.2352, 0.2275, 0.3843
CMYK	0.01, 0.00, 0.20, 0.23
HSL	63°, 26%, 69%
HSV	63°, 20%, 77%
XYZ	48.5621, 53.9689, 39.7546
YIQ	191.8420, 11.6480, -12.8640

# Conversions

## Conversions Part 2

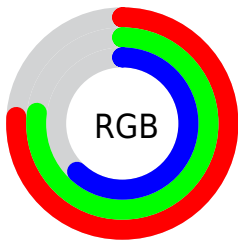
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">157, 197, 159</a>
Decimal	<a href="#">12830109</a>
CIELab	<a href="#">78.44, -7.36, 19.89</a>
CIELCh	<a href="#">78, 21.207, 110.319</a>
Yxy	<a href="#">53.9689, 0.3413, 0.3793</a>
Android (android.graphics.Color)	<a href="#">4291020189</a> ( <a href="#">0xFFC3C59D</a> )
YUV	<a href="#">191.8420, -17.1771, 2.7696</a>
Hunter-Lab	<a href="#">73.4635, -10.5662, 19.3399</a>

# Details

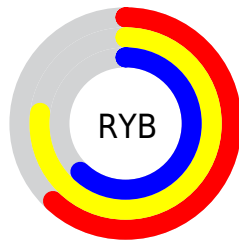
The Yxy color **53.9689, 0.3413, 0.3793** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.5129, 0.2809, 0.2738**, and the grayscale version is **52.7152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3325, 0.3363, 0.3704**, and **26.3482, 0.3481, 0.3918** is the 20% darker color. If you saturate the color by 10%, you get **53.2226, 0.3554, 0.4045**, and if you desaturate by 10%, it is **54.8293, 0.3271, 0.3542**.

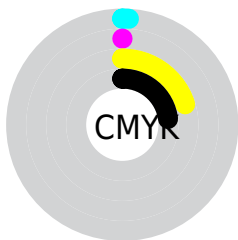
# Distribution



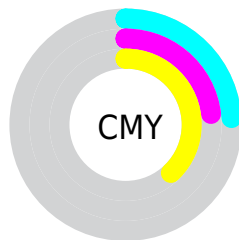
- Red (76%)
- Green (77%)
- Blue (62%)



- Red (62%)
- Yellow (77%)
- Blue (62%)



- Cyan (1%)
- Magenta (0%)
- Yellow (20%)
- Black (23%)




- Cyan (24%)
- Magenta (23%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9689, 0.3413, 0.3793 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 53.9689, 0.3413, 0.3793 by changing the saturation by 10% instead.




 53.9689, 0.3413,  
0.3793


 53.9689, 0.3413,  
0.3793


401.9914, 0.3276,  
0.3544

 38.5768, 0.3445,  
0.3854


 96.0286, 0.3365,  
0.3703

 26.4307, 0.3485,  
0.3931


 123.4649, 0.3346,  
0.3670

 17.1461, 0.3537,  
0.4033


155.6849, 0.3330,  
0.3641

 10.3387, 0.3604,  
0.4172

193.0727, 0.3316,  
0.3616

 5.6241, 0.3695,  
0.4372

236.0129, 0.3304,  
0.3595

 2.6179, 0.3823,  
0.4686

284.8898, 0.3294,

 0.9357, 0.4310,

0.3576

0.5690

340.0879, 0.3284,  
0.3559

0.0000, 0.0000,  
0.0000

53.9689, 0.3413,  
0.3793

53.9689, 0.3413,  
0.3793

53.2226, 0.3554,  
0.4045

54.8293, 0.3271,  
0.3542

52.5781, 0.3689,  
0.4289

55.8015, 0.3131,  
0.3297

52.0321, 0.3813,  
0.4516


56.8924, 0.2998,  
0.3065

51.5785, 0.3919,  
0.4715


58.1063, 0.2872,  
0.2848

51.2104, 0.4003,  
0.4879


59.4153, 0.2759,  
0.2652


 50.9201, 0.4062,  
0.5000

 59.5495, 0.2765,  
0.2653

 50.6982, 0.4095,  
0.5079

 59.6845, 0.2772,  
0.2654

 50.5313, 0.4107,  
0.5121

 59.8204, 0.2779,  
0.2656

 59.9572, 0.2785,  
0.2657

# Harmonies

## Analogous

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



53.9689, 0.3618, 0.3708



53.9689, 0.3413, 0.3793



53.9689, 0.3137, 0.3732

# Triad

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



53.9689, 0.3413, 0.3793



53.9689, 0.2595, 0.3022



53.9689, 0.3381, 0.3061

# Complementary

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



53.9689, 0.3413, 0.3793



35.5129, 0.2809, 0.2738

# 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.



53.9689, 0.3097, 0.2896



53.9689, 0.3413, 0.3793



53.9689, 0.2652, 0.2865

# Square

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



53.9689, 0.3413, 0.3793



53.9689, 0.2672, 0.3267



53.9689, 0.2832, 0.2824



53.9689, 0.3602, 0.3285



# Rectangle

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



53.9689, 0.3413, 0.3793



53.9689, 0.2952, 0.3611



53.9689, 0.2832, 0.2824



53.9689, 0.3290, 0.2998

# Sweetspot

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



53.9713, 0.3413, 0.3793



98.9105, 0.3211, 0.3437



38.8716, 0.3523, 0.3309



21.1465, 0.3221, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

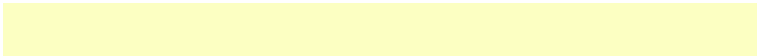


# Same Dimension

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



53.9713, 0.3413, 0.3793



96.0977, 0.3471, 0.3896



51.5571, 0.3251, 0.3820



12.3893, 0.3258, 0.3519



33.2484, 0.4108, 0.5120



1.5827, 0.4127, 0.5105



# Inverse Universe

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



35.5129, 0.2809, 0.2738



57.5607, 0.2735, 0.2612



37.6490, 0.2979, 0.2765



10.3120, 0.2990, 0.3052



2.7035, 0.1518, 0.0610

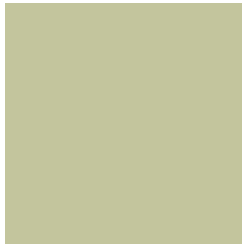


0.1369, 0.1580, 0.0644



# Previews

## White Background



This preview shows how the Yxy color 53.9689, 0.3413, 0.3793 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 53.9689, 0.3413, 0.3793 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

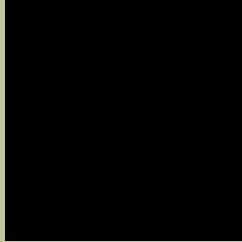
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

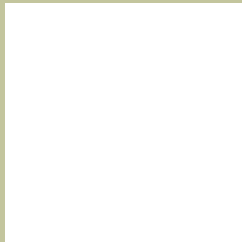
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.9689, 0.3413, 0.3793**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9689, 0.3413, 0.3793.



This preview shows how white text looks on a background with the Yxy color 53.9689, 0.3413, 0.3793.

# 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

53.9689, 0.3413, 0.3793

### Protanopia

54.0719, 0.3530, 0.3768

### Deuteranopia

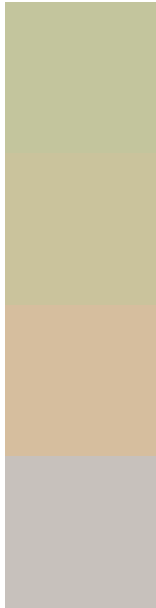
53.6286, 0.3688, 0.3605



## Tritanopia

53.7912, 0.3111, 0.3111

# Trichromacy



## Original Color

53.9689, 0.3413, 0.3793

## Protanomaly

53.9871, 0.3485, 0.3773

## Deuteranomaly

53.5917, 0.3587, 0.3675

## Tritanomaly

53.9129, 0.3214, 0.3351

# Monochromacy



## Original Color

53.9689, 0.3413, 0.3793

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.1757, 0.3232, 0.3478

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9689, 0.3413, 0.3793 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(195, 197, 157)` looks like.

```
.text, #text, p{  
    color:rgb(195, 197, 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(195, 197, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 197, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9689, 0.3413, 0.3793 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(195, 197, 157) }
```

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

```
.border{ border-color:rgb(195, 197, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 197, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 197, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 197, 157);  
box-shadow:4px 4px 4px 4px rgb(195, 197,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9689, 0.3413, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 197, 157) }
```

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

```
.background{ background-color: rgb(195,  
197, 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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