

# Converting Colors

$Yxy(53.7351, 0.3214, 0.3838)$

Have a look what the booklet for  
Yxy(53.7351, 0.3214, 0.3838)  
contains.

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# Color

**Yxy(53.8931, 0.3217, 0.3841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFCAA0
RGB	175, 202, 160
RGB Percent	69%, 79%, 63%
CMY	0.3139, 0.2078, 0.3726
CMYK	0.13, 0.00, 0.21, 0.21
HSL	99°, 28%, 71%
HSV	99°, 21%, 79%
XYZ	45.1378, 53.8931, 41.2792
YIQ	189.1390, -2.6100, -18.7860

# Conversions

## Conversions Part 2

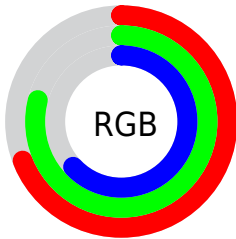
Format	Color
<a href="#">RYB</a>	<a href="#">160, 202, 187</a>
Decimal	<a href="#">11520672</a>
CIELab	<a href="#">78.40, -16.80, 18.01</a>
CIElCh	<a href="#">78, 24.626, 133.012</a>
Yxy	<a href="#">53.8931, 0.3217, 0.3841</a>
Android (android.graphics.Color)	<a href="#">4289710752</a> ( <a href="#">0xFFAFCAA0</a> )
YUV	<a href="#">189.1390, -14.3655, -12.3999</a>
Hunter-Lab	<a href="#">73.4119, -18.7191, 18.0498</a>

# Details

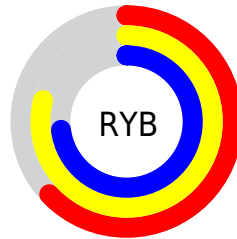
The Yxy color **53.8931, 0.3217, 0.3841** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.9773, 0.3016, 0.2757**, and the grayscale version is **51.0547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4152, 0.3208, 0.3700**, and **26.4001, 0.3236, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **51.8119, 0.3255, 0.4141**, and if you desaturate by 10%, it is **56.2388, 0.3175, 0.3563**.

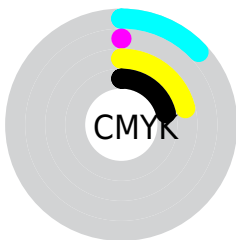
# Distribution



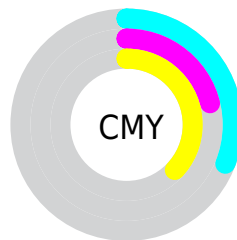
- Red (69%)
- Green (79%)
- Blue (63%)



- Red (63%)
- Yellow (79%)
- Blue (73%)



- Cyan (13%)
- Magenta (0%)
- Yellow (21%)
- Black (21%)




- Cyan (31%)
- Magenta (21%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8931, 0.3217, 0.3841 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 53.8931, 0.3217, 0.3841 by changing the saturation by 10% instead.





 53.8931, 0.3217,  
0.3841


 53.8931, 0.3217,  
0.3841


401.7022, 0.3177,  
0.3564

 38.5162, 0.3225,  
0.3910


 95.9173, 0.3204,  
0.3740

 26.3836, 0.3235,  
0.3999


 123.3333, 0.3199,  
0.3702

 17.1108, 0.3245,  
0.4118


155.5312, 0.3194,  
0.3671

 10.3135, 0.3257,  
0.4283

192.8954, 0.3190,  
0.3643

 5.6073, 0.3267,  
0.4528

235.8102, 0.3186,  
0.3620

 2.6078, 0.3264,  
0.4925

284.6600, 0.3183,

 0.9306, 0.3373,

0.3599

0.6627

339.8292, 0.3180,  
0.3581

0.0000, 0.0000,  
0.0000

53.8931, 0.3217,  
0.3841

53.8931, 0.3217,  
0.3841

51.8119, 0.3255,  
0.4141

56.2388, 0.3175,  
0.3563

49.9787, 0.3287,  
0.4455

58.8512, 0.3131,  
0.3309

48.3854, 0.3308,  
0.4772


61.7411, 0.3087,  
0.3081

47.0211, 0.3315,  
0.5077

64.9168, 0.3044,  
0.2878

45.8737, 0.3306,  
0.5353


67.9933, 0.3042,  
0.2754

 44.9298, 0.3280,  
0.5580

 70.3522, 0.3137,  
0.2770

 44.1742, 0.3237,  
0.5746

 70.7281, 0.3151,  
0.2772

 43.6234, 0.3190,  
0.5849

# Harmonies

## Analogous

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



53.8931, 0.3526, 0.3866



53.8931, 0.3217, 0.3841



53.8931, 0.2895, 0.3642

# Triad

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



53.8931, 0.3217, 0.3841



53.8931, 0.2549, 0.2830



53.8931, 0.3629, 0.3215

# Complementary

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



53.8931, 0.3217, 0.3841



39.9773, 0.3016, 0.2757

# 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.



53.8931, 0.3344, 0.2972



53.8931, 0.3217, 0.3841



53.8931, 0.2723, 0.2751

# Square

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



53.8931, 0.3217, 0.3841



53.8931, 0.2521, 0.3038



53.8931, 0.3010, 0.2805



53.8931, 0.3774, 0.3487



# Rectangle

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



53.8931, 0.3217, 0.3841



53.8931, 0.2715, 0.3444



53.8931, 0.3010, 0.2805



53.8931, 0.3546, 0.3128

# Sweetspot

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



53.8954, 0.3217, 0.3841



97.2326, 0.3154, 0.3440



50.4715, 0.3474, 0.3623



20.7495, 0.3157, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

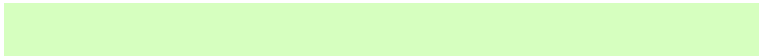


# Same Dimension

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



53.8954, 0.3217, 0.3841



89.5813, 0.3235, 0.3975



52.4600, 0.3062, 0.3782



12.7281, 0.3169, 0.3526



28.1121, 0.3199, 0.5842



1.4926, 0.3357, 0.5717



# Inverse Universe

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



39.9773, 0.3016, 0.2757



61.7967, 0.2987, 0.2632



41.7038, 0.3200, 0.2843



11.1962, 0.3082, 0.3058



5.8530, 0.2337, 0.1061



0.3436, 0.2510, 0.1156



# Previews

## White Background



This preview shows how the Yxy color 53.8931, 0.3217, 0.3841 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 53.8931, 0.3217, 0.3841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

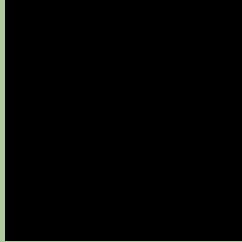
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.8931, 0.3217, 0.3841**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8931, 0.3217, 0.3841.



This preview shows how white text looks on a background with the Yxy color 53.8931, 0.3217, 0.3841.

# 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

53.8931, 0.3217, 0.3841

### Protanopia

53.5194, 0.3516, 0.3745

### Deuteranopia

53.4501, 0.3637, 0.3560



## Tritanopia

53.8006, 0.2921, 0.3093

# Trichromacy



## Original Color

53.8931, 0.3217, 0.3841

## Protanomaly

53.3835, 0.3406, 0.3783

## Deuteranomaly

53.4297, 0.3479, 0.3658

## Tritanomaly

53.8972, 0.3030, 0.3366

# Monochromacy



## Original Color

53.8931, 0.3217, 0.3841

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.9883, 0.3166, 0.3495

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8931, 0.3217, 0.3841 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, 202, 160)` looks like.

```
.text, #text, p{  
    color:rgb(175, 202, 160)  
}
```

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, 202, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 202, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8931, 0.3217, 0.3841 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, 202, 160) }
```

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

```
.border{ border-color:rgb(175, 202, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 202, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 202, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 202, 160);  
box-shadow:4px 4px 4px 4px rgb(175, 202,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8931, 0.3217, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 202, 160) }
```

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

```
.background{ background-color: rgb(175,  
202, 160) }
```

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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