

# Converting Colors

Yxy(53.6312, 0.3318, 0.3446)

Have a look what the booklet for  
Yxy(53.6312, 0.3318, 0.3446)  
contains.

<b>Yxy(53.6505, 0.3318, 0.3449)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(53.6505, 0.3318, 0.3449)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CBC0B3
RGB	203, 192, 179
RGB Percent	80%, 75%, 70%
CMY	0.2040, 0.2470, 0.2980
CMYK	0.00, 0.05, 0.12, 0.20
HSL	33°, 19%, 75%
HSV	33°, 12%, 80%
XYZ	51.6127, 53.6505, 50.2905
YIQ	193.8070, 10.7290, -1.7110

# Conversions

## Conversions Part 2

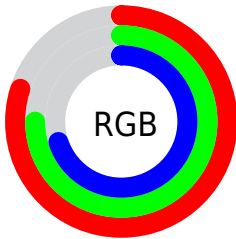
Format	Color
<a href="#">RYB</a>	<a href="#">199, 203, 179</a>
Decimal	<a href="#">13353139</a>
CIELab	<a href="#">78.26, 1.64, 7.91</a>
CIELCh	<a href="#">78, 8.082, 78.301</a>
Yxy	<a href="#">53.6505, 0.3318, 0.3449</a>
Android (android.graphics.Color)	<a href="#">4291543219</a> ( <a href="#">0xFFCBC0B3</a> )
YUV	<a href="#">193.8070, -7.2999, 8.0623</a>
Hunter-Lab	<a href="#">73.2465, -2.4023, 10.5644</a>

# Details

The Yxy color **53.6505, 0.3318, 0.3449** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.7195, 0.2945, 0.3126**, and the grayscale version is **53.8685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3930, 0.3250, 0.3417**, and **26.3612, 0.3375, 0.3503** is the 20% darker color. If you saturate the color by 10%, you get **48.9370, 0.3503, 0.3591**, and if you desaturate by 10%, it is **58.7474, 0.3155, 0.3314**.

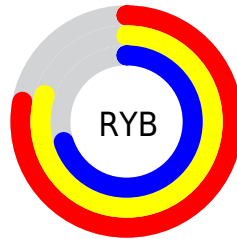
# Distribution



Red (80%)

Green (75%)

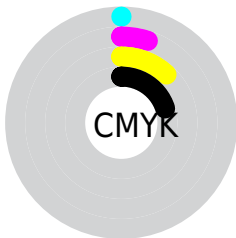
Blue (70%)



Red (78%)

Yellow (80%)

Blue (70%)

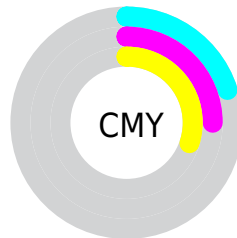


Cyan (0%)

Magenta (5%)

Yellow (12%)

Black (20%)



Cyan (20%)

Magenta (25%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6505, 0.3318, 0.3449 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 53.6505, 0.3318, 0.3449 by changing the saturation by 10% instead.





 53.6505, 0.3318,  
0.3449

 53.6505, 0.3318,  
0.3449

400.7759, 0.3225,  
0.3372

 38.3223, 0.3341,  
0.3468


 95.5609, 0.3284,  
0.3421

 26.2329, 0.3370,  
0.3491


122.9119, 0.3272,  
0.3411

 16.9980, 0.3407,  
0.3522

155.0393, 0.3261,  
0.3402

 10.2331, 0.3459,  
0.3564

192.3274, 0.3252,  
0.3394

 5.5538, 0.3534,  
0.3624

235.1608, 0.3244,  
0.3388

 2.5757, 0.3653,  
0.3718

283.9237, 0.3237,

 0.9145, 0.4017,

0.3382

0.4033

339.0006, 0.3230,  
0.3376

0.0000, 0.0000,  
0.0000

53.6505, 0.3318,  
0.3449

53.6505, 0.3318,  
0.3449

48.9370, 0.3503,  
0.3591

58.7474, 0.3155,  
0.3314

44.5899, 0.3709,  
0.3737

64.2303, 0.3011,  
0.3187

40.6010, 0.3937,  
0.3880

70.1104, 0.2885,  
0.3069

36.9592, 0.4182,  
0.4013

76.0567, 0.2803,  
0.3014

33.6526, 0.4438,  
0.4127

81.3445, 0.2810,  
0.3115

■ 30.6684, 0.4693,  
0.4207

■ 86.9118, 0.2816,  
0.3214

■ 27.9925, 0.4933,  
0.4244

■ 91.4343, 0.2821,  
0.3289

■ 25.6088, 0.5143,  
0.4227

■ 23.8545, 0.5292,  
0.4180

# Harmonies

## Analogous

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



53.6505, 0.3339, 0.3378



53.6505, 0.3318, 0.3449



53.6505, 0.3245, 0.3479

# Triad

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



53.6505, 0.3318, 0.3449



53.6505, 0.2954, 0.3291



53.6505, 0.3110, 0.3131

# Complementary

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



53.6505, 0.3318, 0.3449



50.7195, 0.2945, 0.3126

# 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.



53.6505, 0.3009, 0.3107



53.6505, 0.3318, 0.3449



53.6505, 0.2920, 0.3197

# Square

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



53.6505, 0.3318, 0.3449



53.6505, 0.3035, 0.3387



53.6505, 0.2939, 0.3130



53.6505, 0.3218, 0.3196



# Rectangle

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



53.6505, 0.3318, 0.3449



53.6505, 0.3177, 0.3470



53.6505, 0.2939, 0.3130



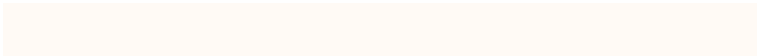
53.6505, 0.3074, 0.3118

# Sweetspot

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



53.6529, 0.3318, 0.3449



96.4165, 0.3189, 0.3343



48.6672, 0.3244, 0.3154



20.4954, 0.3202, 0.3354



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

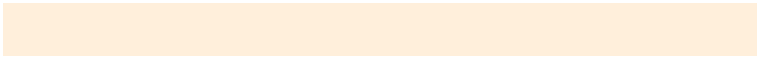


# Same Dimension

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



53.6529, 0.3318, 0.3449



87.9203, 0.3360, 0.3482



58.5422, 0.3295, 0.3579



12.2044, 0.3277, 0.3416



15.3676, 0.5273, 0.4195



0.9435, 0.5007, 0.4407

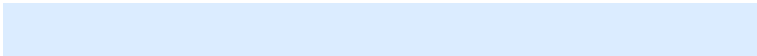


# Inverse Universe

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



50.7195, 0.2945, 0.3126



82.1144, 0.2907, 0.3090



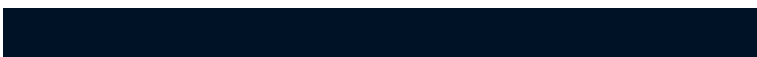
46.2385, 0.2949, 0.2985



11.6762, 0.2983, 0.3161



7.8986, 0.1737, 0.1454

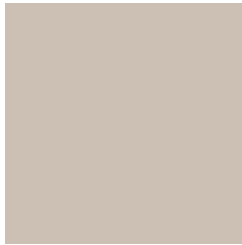


0.5586, 0.1842, 0.1829



# Previews

## White Background



This preview shows how the Yxy color 53.6505, 0.3318, 0.3449 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 53.6505, 0.3318, 0.3449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

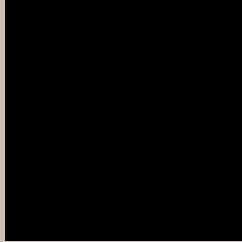
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

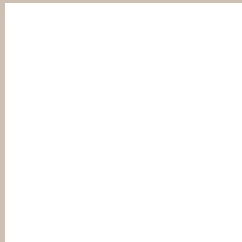
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.6505, 0.3318, 0.3449**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6505, 0.3318, 0.3449.

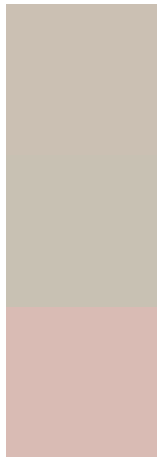


This preview shows how white text looks on a background with the Yxy color 53.6505, 0.3318, 0.3449.

# 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

53.6505, 0.3318, 0.3449

### Protanopia

53.6740, 0.3292, 0.3462

### Deuteranopia

53.5876, 0.3439, 0.3373



## Tritanopia

53.4000, 0.3160, 0.3113

# Trichromacy



## Original Color

53.6505, 0.3318, 0.3449

## Protanomaly

53.8121, 0.3300, 0.3462

## Deuteranomaly

53.6875, 0.3392, 0.3398

## Tritanomaly

53.2694, 0.3221, 0.3230

# Monochromacy



## Original Color

53.6505, 0.3318, 0.3449

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

53.6844, 0.3190, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6505, 0.3318, 0.3449 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(203, 192, 179)` looks like.

```
.text, #text, p{  
    color:rgb(203, 192, 179)  
}
```

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(203, 192, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 192, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6505, 0.3318, 0.3449 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(203, 192, 179) }
```

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

```
.border{ border-color:rgb(203, 192, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 192, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 192, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 192, 179);  
box-shadow:4px 4px 4px 4px rgb(203, 192,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6505, 0.3318, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 192, 179) }
```

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

```
.background{ background-color: rgb(203,  
192, 179) }
```

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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