

# Converting Colors

$Yxy(55.1063, 0.3419, 0.4023)$

Have a look what the booklet for  
Yxy(55.1063, 0.3419, 0.4023)  
contains.

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# Color

**Yxy(55.3210, 0.3421, 0.4030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BBCB91
RGB	187, 203, 145
RGB Percent	73%, 80%, 57%
CMY	0.2666, 0.2039, 0.4314
CMYK	0.08, 0.00, 0.29, 0.20
HSL	77°, 36%, 68%
HSV	77°, 29%, 80%
XYZ	46.9611, 55.3210, 34.9909
YIQ	191.6040, 9.0820, -21.4300

# Conversions

## Conversions Part 2

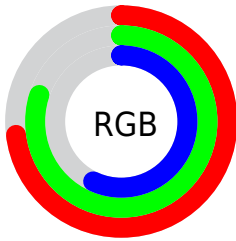
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 203, 161
Decimal	12307345
CIELab	79.23, -15.18, 27.19
CIELCh	79, 31.140, 119.170
Yxy	55.3210, 0.3421, 0.4030
Android (android.graphics.Color)	4290497425 (0xFFBBCB91)
YUV	191.6040, -22.9758, -4.0377
Hunter-Lab	74.3781, -17.4597, 24.1719

# Details

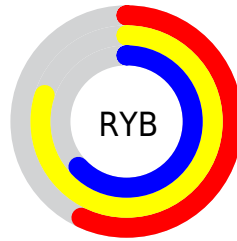
The Yxy color **55.3210, 0.3421, 0.4030** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.1404, 0.2769, 0.2500**, and the grayscale version is **52.6034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8766, 0.3386, 0.3854**, and **27.2896, 0.3484, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **54.0595, 0.3517, 0.4302**, and if you desaturate by 10%, it is **56.7268, 0.3319, 0.3761**.

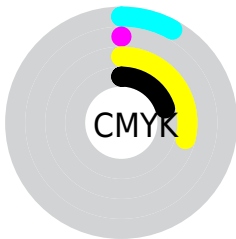
# Distribution



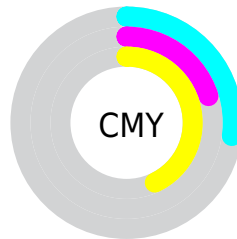
- Red (73%)
- Green (80%)
- Blue (57%)



- Red (57%)
- Yellow (80%)
- Blue (63%)



- Cyan (8%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)




- Cyan (27%)
- Magenta (20%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3210, 0.3421, 0.4030 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 55.3210, 0.3421, 0.4030 by changing the saturation by 10% instead.




 55.3210, 0.3421,  
0.4030


 55.3210, 0.3421,  
0.4030

407.1276, 0.3286,  
0.3662

 39.6588, 0.3451,  
0.4121

 98.0111, 0.3375,  
0.3897

 27.2726, 0.3487,  
0.4236


 125.8078, 0.3356,  
0.3847

 17.7781, 0.3530,  
0.4387


158.4181, 0.3341,  
0.3804

 10.7908, 0.3583,  
0.4593

196.2264, 0.3327,  
0.3768

 5.9263, 0.3643,  
0.4887

239.6171, 0.3315,  
0.3736

 2.8003, 0.3763,  
0.5430

288.9746, 0.3304,

 1.0284, 0.3686,

0.3708

0.6314

344.6833, 0.3294,  
0.3683

0.0000, 0.0000,  
0.0000

55.3210, 0.3421,  
0.4030

55.3210, 0.3421,  
0.4030

54.0595, 0.3517,  
0.4302

56.7268, 0.3319,  
0.3761

52.9288, 0.3602,  
0.4567

58.2754, 0.3215,  
0.3501

51.9244, 0.3670,  
0.4814

59.9748, 0.3113,  
0.3256

51.0388, 0.3718,  
0.5032

61.8300, 0.3014,  
0.3029

50.2634, 0.3741,  
0.5209

63.8459, 0.2920,  
0.2820

■ 49.5884, 0.3739,  
0.5339

■ 65.2434, 0.2905,  
0.2742

■ 48.9980, 0.3715,  
0.5425

■ 66.1350, 0.2944,  
0.2749

■ 48.9175, 0.3710,  
0.5436

■ 67.0562, 0.2984,  
0.2755

■ 68.0072, 0.3024,  
0.2761

# Harmonies

## Analogous

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



55.3210, 0.3765, 0.3948



55.3210, 0.3421, 0.4030



55.3210, 0.3013, 0.3879

# Triad

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



55.3210, 0.3421, 0.4030



55.3210, 0.2373, 0.2812



55.3210, 0.3607, 0.3047

# Complementary

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



55.3210, 0.3421, 0.4030



32.1404, 0.2769, 0.2500

# 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.



55.3210, 0.3202, 0.2788



55.3210, 0.3421, 0.4030



55.3210, 0.2506, 0.2645

# Square

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



55.3210, 0.3421, 0.4030



55.3210, 0.2423, 0.3131



55.3210, 0.2801, 0.2643



55.3210, 0.3884, 0.3371



# Rectangle

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



55.3210, 0.3421, 0.4030



55.3210, 0.2760, 0.3663



55.3210, 0.2801, 0.2643



55.3210, 0.3480, 0.2951

# Sweetspot

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



55.3234, 0.3421, 0.4030



97.4281, 0.3221, 0.3515



40.0459, 0.3695, 0.3491



20.7689, 0.3236, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

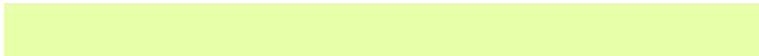


# Same Dimension

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



55.3234, 0.3421, 0.4030



91.3615, 0.3478, 0.4190



52.0816, 0.3191, 0.4086



12.9351, 0.3224, 0.3522



31.1769, 0.3717, 0.5431



1.6449, 0.3814, 0.5354



# Inverse Universe

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



32.1404, 0.2769, 0.2500



46.5707, 0.2679, 0.2314



35.4423, 0.3031, 0.2558



10.9912, 0.3025, 0.3053



3.3184, 0.1680, 0.0699



0.2097, 0.1895, 0.0817



# Previews

## White Background



This preview shows how the Yxy color 55.3210, 0.3421, 0.4030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

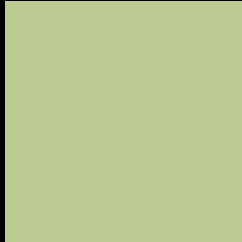
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3210, 0.3421, 0.4030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

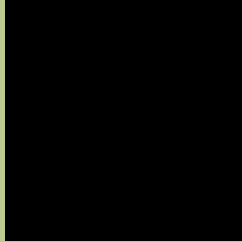
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.3210, 0.3421, 0.4030**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3210, 0.3421, 0.4030.



This preview shows how white text looks on a background with the Yxy color 55.3210, 0.3421, 0.4030.

# 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

55.3210, 0.3421, 0.4030

### Protanopia

55.2817, 0.3669, 0.3940

### Deuteranopia

55.0935, 0.3827, 0.3746



## Tritanopia

55.4191, 0.3026, 0.3111

# Trichromacy



## Original Color

55.3210, 0.3421, 0.4030

## Protanomaly

55.3866, 0.3574, 0.3979

## Deuteranomaly

54.6936, 0.3676, 0.3839

## Tritanomaly

55.2708, 0.3176, 0.3438

# Monochromacy



## Original Color

55.3210, 0.3421, 0.4030

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.5222, 0.3236, 0.3555

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3210, 0.3421, 0.4030 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(187, 203, 145)` looks like.

```
.text, #text, p{  
    color:rgb(187, 203, 145)  
}
```

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(187, 203, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 203, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3210, 0.3421, 0.4030 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(187, 203, 145) }
```

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

```
.border{ border-color:rgb(187, 203, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 203, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 203, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 203, 145);  
box-shadow:4px 4px 4px 4px rgb(187, 203,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3210, 0.3421, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 203, 145) }
```

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

```
.background{ background-color: rgb(187,  
203, 145) }
```

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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