

# Converting Colors

$Yxy(55.4568, 0.3512, 0.4010)$

Have a look what the booklet for  
Yxy(55.4568, 0.3512, 0.4010)  
contains.

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# Color

**Yxy(55.4922, 0.3516, 0.4014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4C98F
RGB	196, 201, 143
RGB Percent	77%, 79%, 56%
CMY	0.2314, 0.2117, 0.4391
CMYK	0.03, 0.00, 0.29, 0.21
HSL	65°, 35%, 67%
HSV	65°, 29%, 79%
XYZ	48.6075, 55.4922, 34.1469
YIQ	192.8930, 15.6380, -19.0980

# Conversions

## Conversions Part 2

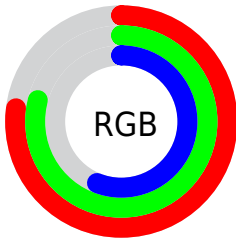
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 201, 148
Decimal	12896655
CIELab	79.32, -11.03, 28.47
CIELCh	79, 30.534, 111.185
Yxy	55.4922, 0.3516, 0.4014
Android (android.graphics.Color)	4291086735 (0xFFC4C98F)
YUV	192.8930, -24.5972, 2.7248
Hunter-Lab	74.4931, -13.8898, 24.9672

# Details

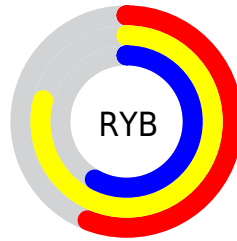
The Yxy color **55.4922, 0.3516, 0.4014** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.1727, 0.2669, 0.2470**, and the grayscale version is **53.4036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4339, 0.3458, 0.3863**, and **27.3909, 0.3614, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **54.7065, 0.3646, 0.4264**, and if you desaturate by 10%, it is **56.3947, 0.3381, 0.3759**.

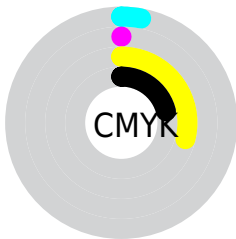
# Distribution



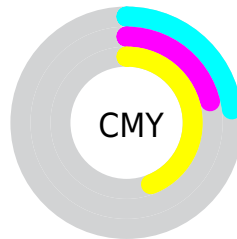
- Red (77%)
- Green (79%)
- Blue (56%)



- Red (56%)
- Yellow (79%)
- Blue (58%)



- Cyan (3%)
- Magenta (0%)
- Yellow (29%)
- Black (21%)




- Cyan (23%)
- Magenta (21%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4922, 0.3516, 0.4014 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 55.4922, 0.3516, 0.4014 by changing the saturation by 10% instead.





 55.4922, 0.3516,  
0.4014


 55.4922, 0.3516,  
0.4014


407.7750, 0.3334,  
0.3657

 39.7959, 0.3557,  
0.4101

 98.2617, 0.3453,  
0.3886

 27.3795, 0.3608,  
0.4210


 126.1038, 0.3428,  
0.3837

 17.8584, 0.3670,  
0.4353


158.7632, 0.3407,  
0.3796

 10.8484, 0.3747,  
0.4544

196.6244, 0.3388,  
0.3760

 5.9650, 0.3842,  
0.4812

240.0718, 0.3372,  
0.3729

 2.8238, 0.4038,  
0.5324

289.4898, 0.3358,

 1.0404, 0.4062,

0.3702

0.5938

345.2627, 0.3345,  
0.3678

0.0000, 0.0000,  
0.0000

55.4922, 0.3516,  
0.4014

55.4922, 0.3516,  
0.4014

54.7065, 0.3646,  
0.4264

56.3947, 0.3381,  
0.3759

54.0244, 0.3764,  
0.4500

57.4120, 0.3245,  
0.3506

53.4419, 0.3867,  
0.4711

58.5517, 0.3112,  
0.3262

52.9521, 0.3948,  
0.4888

59.8184, 0.2985,  
0.3032

52.5467, 0.4003,  
0.5024

61.2168, 0.2865,  
0.2818

■ 52.2164, 0.4033,  
0.5115

■ 62.1821, 0.2806,  
0.2705

■ 51.9456, 0.4041,  
0.5168

■ 62.4337, 0.2818,  
0.2707

■ 51.9157, 0.4041,  
0.5173

■ 62.6881, 0.2830,  
0.2709

■ 62.9452, 0.2842,  
0.2711

# Harmonies

## Analogous

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



55.4922, 0.3817, 0.3882



55.4922, 0.3516, 0.4014



55.4922, 0.3122, 0.3928

# Triad

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



55.4922, 0.3516, 0.4014



55.4922, 0.2383, 0.2893



55.4922, 0.3499, 0.2976

# Complementary

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



55.4922, 0.3516, 0.4014



30.1727, 0.2669, 0.2470

# 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.



55.4922, 0.3091, 0.2747



55.4922, 0.3516, 0.4014



55.4922, 0.2466, 0.2685

# Square

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



55.4922, 0.3516, 0.4014



55.4922, 0.2480, 0.3237



55.4922, 0.2717, 0.2640



55.4922, 0.3815, 0.3283



# Rectangle

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



55.4922, 0.3516, 0.4014



55.4922, 0.2862, 0.3748



55.4922, 0.2717, 0.2640



55.4922, 0.3367, 0.2889

# Sweetspot

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



55.4947, 0.3516, 0.4014



98.2335, 0.3249, 0.3513



35.5392, 0.3740, 0.3355



20.9684, 0.3269, 0.3550



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.



55.4947, 0.3516, 0.4014



94.0856, 0.3603, 0.4182



51.9974, 0.3276, 0.4073



12.3685, 0.3252, 0.3519



32.6596, 0.4043, 0.5171



1.5605, 0.4077, 0.5145



# Inverse Universe

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



30.1727, 0.2669, 0.2470



43.3417, 0.2542, 0.2249



33.2010, 0.2929, 0.2528



10.3307, 0.2996, 0.3052



2.7461, 0.1532, 0.0617



0.1455, 0.1638, 0.0676



# Previews

## White Background



This preview shows how the Yxy color 55.4922, 0.3516, 0.4014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

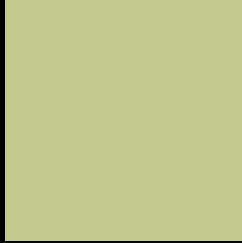
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.4922, 0.3516, 0.4014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

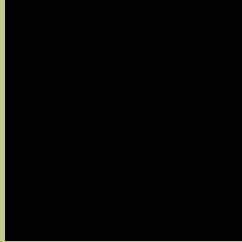
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.4922, 0.3516, 0.4014**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.4922, 0.3516, 0.4014.



This preview shows how white text looks on a background with the Yxy color 55.4922, 0.3516, 0.4014.

# 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

55.4922, 0.3516, 0.4014

### Protanopia

55.2518, 0.3677, 0.3952

### Deuteranopia

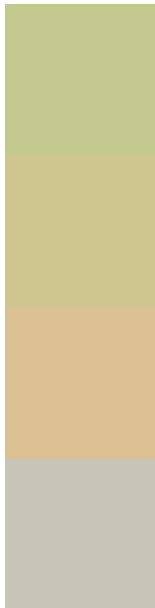
55.1976, 0.3853, 0.3767



## Tritanopia

55.5314, 0.3104, 0.3113

# Trichromacy



**Original Color**

55.4922, 0.3516, 0.4014

**Protanomaly**

55.4630, 0.3619, 0.3972

**Deuteranomaly**

55.2443, 0.3727, 0.3856

**Tritanomaly**

55.3581, 0.3257, 0.3436

# Monochromacy



**Original Color**

55.4922, 0.3516, 0.4014

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

54.0443, 0.3268, 0.3552

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.4922, 0.3516, 0.4014 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(196, 201, 143)` looks like.

```
.text, #text, p{  
    color:rgb(196, 201, 143)  
}
```

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(196, 201, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 201, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 55.4922, 0.3516, 0.4014 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(196, 201, 143) }
```

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

```
.border{ border-color:rgb(196, 201, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 201, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 201, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 201, 143); box-shadow:4px 4px 4px 4px rgb(196, 201, 143) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.4922, 0.3516, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 201, 143) }
```

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

```
.background{ background-color: rgb(196,  
201, 143) }
```

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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