

# Converting Colors

Yxy(54.2491, 0.3576, 0.4032)

Have a look what the booklet for  
Yxy(54.2491, 0.3576, 0.4032)  
contains.

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# Color

**Yxy(54.2580, 0.3572, 0.4026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6C68B
RGB	198, 198, 139
RGB Percent	78%, 78%, 55%
CMY	0.2236, 0.2235, 0.4548
CMYK	0.00, 0.00, 0.30, 0.22
HSL	60°, 34%, 66%
HSV	60°, 30%, 78%
XYZ	48.1395, 54.2580, 32.3715
YIQ	191.2740, 18.9390, -18.3490

# Conversions

## Conversions Part 2

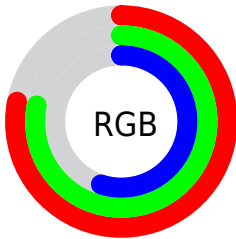
Format	Color
<a href="#">RYB</a>	<a href="#">139, 198, 139</a>
Decimal	<a href="#">13026955</a>
CIELab	<a href="#">78.61, -9.25, 29.64</a>
CIELCh	<a href="#">79, 31.050, 107.337</a>
Yxy	<a href="#">54.2580, 0.3572, 0.4026</a>
Android (android.graphics.Color)	<a href="#">4291217035</a> ( <a href="#">0xFFC6C68B</a> )
YUV	<a href="#">191.2740, -25.7711, 5.8987</a>
Hunter-Lab	<a href="#">73.6600, -12.2489, 25.5057</a>

# Details

The Yxy color **54.2580, 0.3572, 0.4026** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.0454, 0.2607, 0.2430**, and the grayscale version is **52.4123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **26.4907, 0.3679, 0.4226** is the 20% darker color. If you saturate the color by 10%, you get **53.7313, 0.3716, 0.4265**, and if you desaturate by 10%, it is **54.8945, 0.3422, 0.3778**.

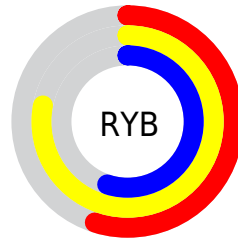
# Distribution



Red (78%)

Green (78%)

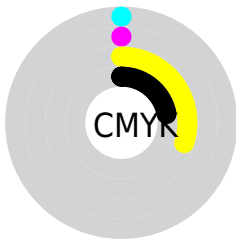
Blue (55%)



Red (55%)

Yellow (78%)

Blue (55%)

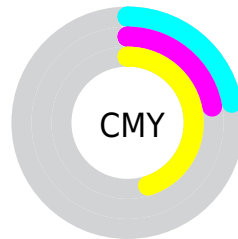


Cyan (0%)

Magenta (0%)

Yellow (30%)

Black (22%)



Cyan (22%)

Magenta (22%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2580, 0.3572, 0.4026 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 54.2580, 0.3572, 0.4026 by changing the saturation by 10% instead.





 54.2580, 0.3572,  
0.4026

 54.2580, 0.3572,  
0.4026


403.0931, 0.3362,  
0.3663

 38.8080, 0.3620,  
0.4114


 96.4530, 0.3499,  
0.3896

 26.6104, 0.3679,  
0.4225


 123.9667, 0.3470,  
0.3847

 17.2808, 0.3752,  
0.4368


 156.2704, 0.3446,  
0.3805

 10.4349, 0.3843,  
0.4560

193.7485, 0.3425,  
0.3768

 5.6883, 0.3955,  
0.4825

236.7855, 0.3406,  
0.3737

 2.6565, 0.4242,  
0.5409

285.7656, 0.3390,

 0.9551, 0.4160,

0.3709

0.5840

341.0734, 0.3375,  
0.3685

0.0000, 0.0000,  
0.0000

54.2580, 0.3572,  
0.4026

54.2580, 0.3572,  
0.4026

53.7313, 0.3716,  
0.4265

54.8945, 0.3422,  
0.3778

53.3013, 0.3849,  
0.4485

55.6386, 0.3271,  
0.3528

52.9642, 0.3965,  
0.4677

56.4977, 0.3124,  
0.3285

52.7133, 0.4059,  
0.4832

57.4763, 0.2984,  
0.3053

52.5406, 0.4128,  
0.4946

58.5788, 0.2852,  
0.2835

■ 52.4369, 0.4170,  
0.5017

■ 59.6255, 0.2747,  
0.2661

■ 52.3849, 0.4192,  
0.5053

■ 59.6272, 0.2747,  
0.2661

■ 52.3839, 0.4192,  
0.5053

■ 59.6288, 0.2747,  
0.2661

■ 59.6305, 0.2747,  
0.2661

# Harmonies

## Analogous

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



54.2580, 0.3861, 0.3866



54.2580, 0.3572, 0.4026



54.2580, 0.3174, 0.3970

# Triad

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



54.2580, 0.3572, 0.4026



54.2580, 0.2368, 0.2921



54.2580, 0.3456, 0.2933

# Complementary

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



54.2580, 0.3572, 0.4026



28.0454, 0.2607, 0.2430

# 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.



54.2580, 0.3036, 0.2713



54.2580, 0.3572, 0.4026



54.2580, 0.2430, 0.2689

# Square

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



54.2580, 0.3572, 0.4026



54.2580, 0.2491, 0.3287



54.2580, 0.2666, 0.2622



54.2580, 0.3800, 0.3239



# Rectangle

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



54.2580, 0.3572, 0.4026



54.2580, 0.2904, 0.3802



54.2580, 0.2666, 0.2622



54.2580, 0.3318, 0.2848

# Sweetspot

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



54.2604, 0.3572, 0.4026



98.6064, 0.3261, 0.3512



32.3454, 0.3785, 0.3292



21.0611, 0.3283, 0.3549



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.



54.2604, 0.3572, 0.4026



95.4208, 0.3670, 0.4189



50.6401, 0.3321, 0.4090



12.4167, 0.3265, 0.3518



34.0625, 0.4192, 0.5053



1.6130, 0.4192, 0.5053



# Inverse Universe

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



28.0454, 0.2607, 0.2430



41.2991, 0.2468, 0.2199



30.9329, 0.2875, 0.2492



10.2878, 0.2983, 0.3051



2.6522, 0.1500, 0.0600



0.1257, 0.1501, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 54.2580, 0.3572, 0.4026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

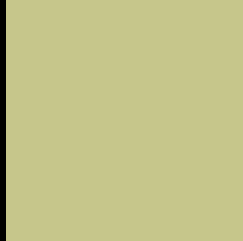
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.2580, 0.3572, 0.4026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

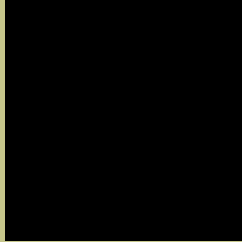
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.2580, 0.3572, 0.4026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.2580, 0.3572, 0.4026.



This preview shows how white text looks on a background with the Yxy color 54.2580, 0.3572, 0.4026.

# 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

54.2580, 0.3572, 0.4026

### Protanopia

54.0914, 0.3707, 0.3979

### Deuteranopia

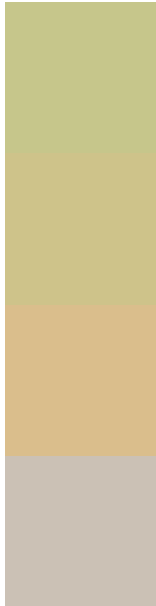
53.8639, 0.3885, 0.3805



## Tritanopia

54.3565, 0.3144, 0.3113

# Trichromacy



**Original Color**

54.2580, 0.3572, 0.4026

**Protanomaly**

53.9870, 0.3660, 0.3987

**Deuteranomaly**

53.6258, 0.3770, 0.3883

**Tritanomaly**

54.1726, 0.3301, 0.3436

# Monochromacy



**Original Color**

54.2580, 0.3572, 0.4026

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

53.0315, 0.3294, 0.3566

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2580, 0.3572, 0.4026 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(198, 198, 139)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 139)  
}
```

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(198, 198, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2580, 0.3572, 0.4026 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(198, 198, 139) }
```

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

```
.border{ border-color:rgb(198, 198, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 139);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2580, 0.3572, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 139) }
```

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

```
.background{ background-color: rgb(198,  
198, 139) }
```

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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