

# Converting Colors

Yxy(54.9551, 0.3700, 0.4023)

Have a look what the booklet for  
Yxy(54.9551, 0.3700, 0.4023)  
contains.

<b>Yxy(54.8127, 0.3698, 0.4015)</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(54.8127, 0.3698, 0.4015)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1C488
RGB	209, 196, 136
RGB Percent	82%, 77%, 53%
CMY	0.1803, 0.2314, 0.4665
CMYK	0.00, 0.06, 0.35, 0.18
HSL	49°, 44%, 68%
HSV	49°, 35%, 82%
XYZ	50.4850, 54.8127, 31.2221
YIQ	193.0470, 27.0080, -15.9040

# Conversions

## Conversions Part 2

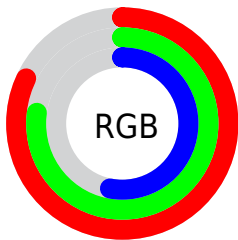
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 209, 136
Decimal	13747336
CIELab	78.93, -4.27, 31.79
CIELCh	79, 32.078, 97.644
Yxy	54.8127, 0.3698, 0.4015
Android (android.graphics.Color)	4291937416 (0xFFD1C488)
YUV	193.0470, -28.1242, 13.9908
Hunter-Lab	74.0356, -7.8428, 26.8213

# Details

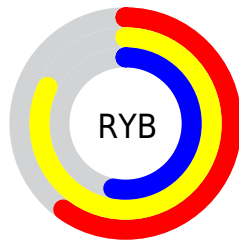
The Yxy color **54.8127, 0.3698, 0.4015** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.3548, 0.2524, 0.2441**, and the grayscale version is **53.5183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5985, 0.3521, 0.3902**, and **26.7742, 0.3838, 0.4203** is the 20% darker color. If you saturate the color by 10%, you get **52.6153, 0.3871, 0.4216**, and if you desaturate by 10%, it is **57.1729, 0.3525, 0.3805**.

# Distribution



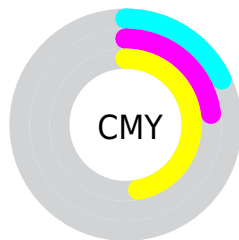
- Red (82%)
- Green (77%)
- Blue (53%)



- Red (60%)
- Yellow (82%)
- Blue (53%)



- Cyan (0%)
- Magenta (6%)
- Yellow (35%)
- Black (18%)




- Cyan (18%)
- Magenta (23%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8127, 0.3698, 0.4015 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 54.8127, 0.3698, 0.4015 by changing the saturation by 10% instead.





 54.8127, 0.3698,  
0.4015


 54.8127, 0.3698,  
0.4015


405.2015, 0.3426,  
0.3663


 39.2518, 0.3761,  
0.4098


 97.2665, 0.3603,  
0.3890

 26.9557, 0.3838,  
0.4202


 124.9281, 0.3566,  
0.3843

 17.5399, 0.3934,  
0.4334


 157.3921, 0.3535,  
0.3802

 10.6202, 0.4055,  
0.4506

195.0429, 0.3507,  
0.3766

 5.8121, 0.4209,  
0.4734

238.2649, 0.3483,  
0.3736

 2.7311, 0.4604,  
0.5281

287.4423, 0.3462,

 0.9930, 0.4570,

0.3709

0.5430

342.9598, 0.3443,  
0.3685

0.0000, 0.0000,  
0.0000

54.8127, 0.3698,  
0.4015

54.8127, 0.3698,  
0.4015

52.6153, 0.3871,  
0.4216

57.1729, 0.3525,  
0.3805

50.5661, 0.4039,  
0.4399

59.6948, 0.3359,  
0.3594

48.6598, 0.4194,  
0.4553

62.3871, 0.3201,  
0.3388

46.8878, 0.4329,  
0.4669

65.2554, 0.3054,  
0.3192

45.2399, 0.4438,  
0.4741

68.3051, 0.2919,  
0.3007

■ 43.7041, 0.4518,  
0.4767

■ 71.1193, 0.2834,  
0.2899

■ 42.9559, 0.4551,  
0.4768

■ 73.0806, 0.2836,  
0.2940

■ 75.0858, 0.2838,  
0.2981

■ 77.1352, 0.2841,  
0.3021

# Harmonies

## Analogous

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



54.8127, 0.3938, 0.3794



54.8127, 0.3698, 0.4015



54.8127, 0.3312, 0.4037

# Triad

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



54.8127, 0.3698, 0.4015



54.8127, 0.2367, 0.3019



54.8127, 0.3328, 0.2838

# Complementary

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



54.8127, 0.3698, 0.4015



31.3548, 0.2524, 0.2441

# 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.



54.8127, 0.2899, 0.2651



54.8127, 0.3698, 0.4015



54.8127, 0.2370, 0.2730

# Square

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



54.8127, 0.3698, 0.4015



54.8127, 0.2552, 0.3422



54.8127, 0.2557, 0.2608



54.8127, 0.3723, 0.3129



# Rectangle

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



54.8127, 0.3698, 0.4015



54.8127, 0.3029, 0.3914



54.8127, 0.2557, 0.2608



54.8127, 0.3182, 0.2762

# Sweetspot

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



54.8152, 0.3698, 0.4015



95.5954, 0.3281, 0.3494



33.3588, 0.3797, 0.3122



20.3337, 0.3304, 0.3524



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.



54.8152, 0.3698, 0.4015



83.3191, 0.3829, 0.4168



57.8190, 0.3459, 0.4212



13.4237, 0.3270, 0.3480



26.6096, 0.4545, 0.4773



1.5840, 0.4470, 0.4833



# Inverse Universe

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



31.3548, 0.2524, 0.2441



41.1499, 0.2376, 0.2219



29.6072, 0.2697, 0.2304



11.7540, 0.2982, 0.3093



3.7689, 0.1548, 0.0772

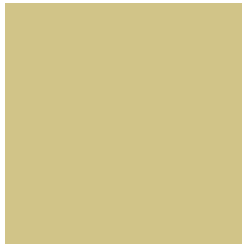


0.3168, 0.1636, 0.1089



# Previews

## White Background



This preview shows how the Yxy color 54.8127, 0.3698, 0.4015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

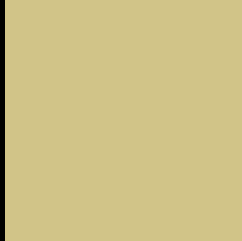
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8127, 0.3698, 0.4015 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

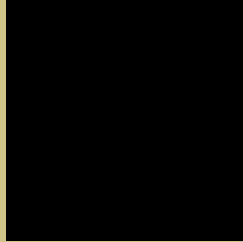
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.8127, 0.3698, 0.4015**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8127, 0.3698, 0.4015.



This preview shows how white text looks on a background with the Yxy color 54.8127, 0.3698, 0.4015.

# 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

54.8127, 0.3698, 0.4015

### Protanopia

54.6567, 0.3719, 0.4000

### Deuteranopia

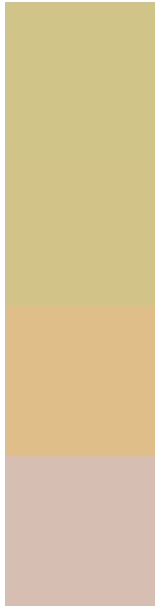
54.6993, 0.3932, 0.3844



## Tritanopia

54.9824, 0.3259, 0.3129

# Trichromacy



## Original Color

54.8127, 0.3698, 0.4015

## Protanomaly

54.5094, 0.3711, 0.4002

## Deuteranomaly

54.4803, 0.3847, 0.3905

## Tritanomaly

54.7721, 0.3421, 0.3445

# Monochromacy



## Original Color

54.8127, 0.3698, 0.4015

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.7042, 0.3336, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8127, 0.3698, 0.4015 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(209, 196, 136)` looks like.

```
.text, #text, p{  
    color:rgb(209, 196, 136)  
}
```

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(209, 196, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 196, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8127, 0.3698, 0.4015 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(209, 196, 136) }
```

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

```
.border{ border-color:rgb(209, 196, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 196, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 196, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 196, 136);  
box-shadow:4px 4px 4px 4px rgb(209, 196,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8127, 0.3698, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 196, 136) }
```

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

```
.background{ background-color: rgb(209,  
196, 136) }
```

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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