

# Converting Colors

$Y_{xy}(54.5956, 0.3680, 0.4220)$

Have a look what the booklet for  
Yxy(54.5956, 0.3680, 0.4220)  
contains.

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# Color

**Yxy(54.4442, 0.3687, 0.4216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7C77C
RGB	199, 199, 124
RGB Percent	78%, 78%, 49%
CMY	0.2197, 0.2196, 0.5136
CMYK	0.00, 0.00, 0.38, 0.22
HSL	60°, 40%, 63%
HSV	60°, 38%, 78%
XYZ	47.6128, 54.4442, 27.0800
YIQ	190.4500, 24.0750, -23.3250

# Conversions

## Conversions Part 2

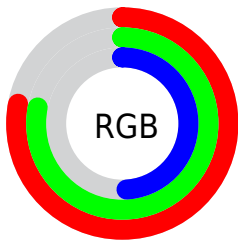
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 199, 124
Decimal	13092732
CIELab	78.72, -11.18, 37.54
CIElCh	79, 39.165, 106.582
Yxy	54.4442, 0.3687, 0.4216
Android (android.graphics.Color)	4291282812 (0xFFC7C77C)
YUV	190.4500, -32.7598, 7.4984
Hunter-Lab	73.7863, -13.9435, 29.8906

# Details

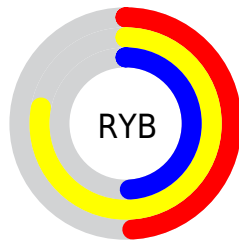
The Yxy color **54.4442, 0.3687, 0.4216** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.8388, 0.2443, 0.2159**, and the grayscale version is **51.9495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **26.6745, 0.3813, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **53.9917, 0.3823, 0.4441**, and if you desaturate by 10%, it is **55.0032, 0.3541, 0.3974**.

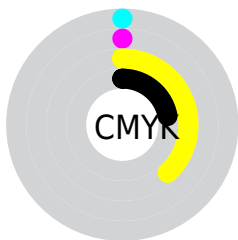
# Distribution



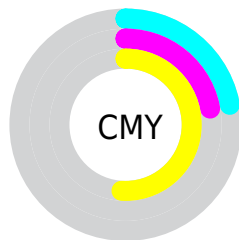
- Red (78%)
- Green (78%)
- Blue (49%)



- Red (49%)
- Yellow (78%)
- Blue (49%)



- Cyan (0%)
- Magenta (0%)
- Yellow (38%)
- Black (22%)



- Cyan (22%)
- Magenta (22%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4442, 0.3687, 0.4216 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 54.4442, 0.3687, 0.4216 by changing the saturation by 10% instead.



■ 54.4442, 0.3687,  
0.4216

■ 54.4442, 0.3687,  
0.4216

403.8016, 0.3427,  
0.3762

■ 38.9569, 0.3744,  
0.4324

■ 96.7261, 0.3598,  
0.4054

■ 26.7262, 0.3813,  
0.4460

■ 124.2896, 0.3563,  
0.3992

■ 17.3677, 0.3894,  
0.4632

■ 156.6472, 0.3532,  
0.3940

■ 10.4970, 0.3990,  
0.4856

194.1834, 0.3506,  
0.3894

■ 5.7297, 0.4094,  
0.5153

237.2825, 0.3483,  
0.3855

■ 2.6814, 0.4296,  
0.5704

286.3290, 0.3462,

■ 0.9678, 0.3998,

0.3820

0.6002

341.7072, 0.3443,  
0.3789

0.0000, 0.0000,  
0.0000

54.4442, 0.3687,  
0.4216

54.4442, 0.3687,  
0.4216

53.9917, 0.3823,  
0.4441

55.0032, 0.3541,  
0.3974

53.6323, 0.3943,  
0.4640

55.6670, 0.3390,  
0.3725

53.3615, 0.4042,  
0.4803


56.4433, 0.3240,  
0.3476

53.1716, 0.4116,  
0.4926

57.3369, 0.3094,  
0.3235


53.0537, 0.4164,  
0.5005


58.3525, 0.2955,  
0.3005


 52.9946, 0.4188,  
0.5046

 59.4944, 0.2825,  
0.2791

 52.9842, 0.4193,  
0.5053

 60.2175, 0.2755,  
0.2674

 60.2185, 0.2755,  
0.2674

 60.2195, 0.2755,  
0.2674

# Harmonies

## Analogous

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



54.4442, 0.4052, 0.3990



54.4442, 0.3687, 0.4216



54.4442, 0.3189, 0.4167

# Triad

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



54.4442, 0.3687, 0.4216



54.4442, 0.2190, 0.2827



54.4442, 0.3526, 0.2838

# Complementary

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



54.4442, 0.3687, 0.4216



22.8388, 0.2443, 0.2159

# 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.



54.4442, 0.2995, 0.2575



54.4442, 0.3687, 0.4216



54.4442, 0.2260, 0.2544

# Square

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



54.4442, 0.3687, 0.4216



54.4442, 0.2341, 0.3290



54.4442, 0.2541, 0.2465



54.4442, 0.3969, 0.3208



# Rectangle

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



54.4442, 0.3687, 0.4216



54.4442, 0.2853, 0.3957



54.4442, 0.2541, 0.2465



54.4442, 0.3349, 0.2736

# Sweetspot

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



54.4467, 0.3687, 0.4216



98.3213, 0.3292, 0.3562



28.0244, 0.4043, 0.3293



21.0043, 0.3312, 0.3597



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.



54.4467, 0.3687, 0.4216



94.6728, 0.3797, 0.4398



49.9387, 0.3366, 0.4324



12.4168, 0.3265, 0.3518



34.0668, 0.4193, 0.5053



1.6131, 0.4193, 0.5053



# Inverse Universe

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



22.8388, 0.2443, 0.2159



31.6502, 0.2272, 0.1876



26.1804, 0.2789, 0.2259



10.2877, 0.2983, 0.3051



2.6519, 0.1500, 0.0600



0.1256, 0.1501, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 54.4442, 0.3687, 0.4216 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 54.4442, 0.3687, 0.4216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

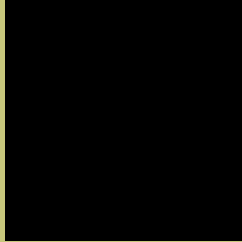
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.4442, 0.3687, 0.4216**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.4442, 0.3687, 0.4216.



This preview shows how white text looks on a background with the Yxy color 54.4442, 0.3687, 0.4216.

# 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

54.4442, 0.3687, 0.4216

### Protanopia

54.4324, 0.3834, 0.4159

### Deuteranopia

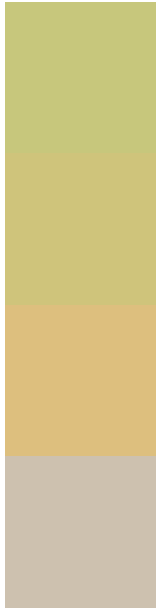
54.1425, 0.4036, 0.3950



## Tritanopia

54.1647, 0.3168, 0.3114

# Trichromacy



**Original Color**

54.4442, 0.3687, 0.4216

**Protanomaly**

54.1753, 0.3778, 0.4173

**Deuteranomaly**

54.1401, 0.3903, 0.4047

**Tritanomaly**

54.2142, 0.3365, 0.3509

# Monochromacy



**Original Color**

54.4442, 0.3687, 0.4216

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

52.2306, 0.3334, 0.3632

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.4442, 0.3687, 0.4216 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(199, 199, 124)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 124)  
}
```

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(199, 199, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 199, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 54.4442, 0.3687, 0.4216 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(199, 199, 124) }
```

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

```
.border{ border-color:rgb(199, 199, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 199, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 199, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 199, 124);  
box-shadow:4px 4px 4px 4px rgb(199, 199,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.4442, 0.3687, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 199, 124) }
```

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

```
.background{ background-color: rgb(199,  
199, 124) }
```

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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