

# Converting Colors

Yxy(54.6819, 0.3681, 0.4166)

Have a look what the booklet for  
Yxy(54.6819, 0.3681, 0.4166)  
contains.

<b>Yxy(54.8229, 0.3676, 0.4163)</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(54.8229, 0.3676, 0.4163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9C780
RGB	201, 199, 128
RGB Percent	79%, 78%, 50%
CMY	0.2117, 0.2196, 0.4980
CMYK	0.00, 0.01, 0.36, 0.21
HSL	58°, 40%, 65%
HSV	58°, 36%, 79%
XYZ	48.4096, 54.8229, 28.4584
YIQ	191.5040, 23.9830, -21.6570

# Conversions

## Conversions Part 2

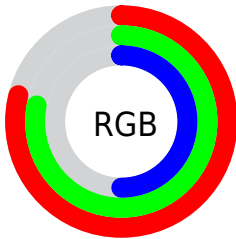
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 201, 128
Decimal	13223808
CIE Lab	78.94, -9.92, 35.81
CIE LCh	79, 37.163, 105.480
Yxy	54.8229, 0.3676, 0.4163
Android (android.graphics.Color)	4291413888 (0xFFC9C780)
YUV	191.5040, -31.3075, 8.3280
Hunter-Lab	74.0425, -12.8697, 29.0415

# Details

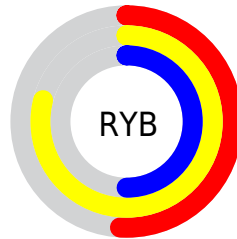
The Yxy color **54.8229, 0.3676, 0.4163** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.7800, 0.2476, 0.2236**, and the grayscale version is **52.5861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **26.8976, 0.3810, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **54.0936, 0.3819, 0.4387**, and if you desaturate by 10%, it is **55.6629, 0.3525, 0.3925**.

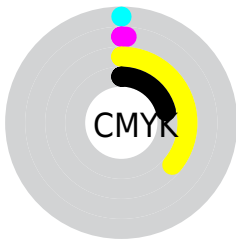
# Distribution



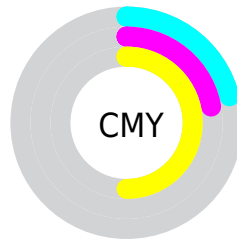
- Red (79%)
- Green (78%)
- Blue (50%)



- Red (51%)
- Yellow (79%)
- Blue (50%)



- Cyan (0%)
- Magenta (1%)
- Yellow (36%)
- Black (21%)




- Cyan (21%)
- Magenta (22%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8229, 0.3676, 0.4163 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 54.8229, 0.3676, 0.4163 by changing the saturation by 10% instead.





 54.8229, 0.3676,  
0.4163


 54.8229, 0.3676,  
0.4163

405.2403, 0.3420,  
0.3735

 39.2599, 0.3733,  
0.4265


 97.2814, 0.3588,  
0.4011

 26.9620, 0.3802,  
0.4392


 124.9458, 0.3553,  
0.3953

 17.5447, 0.3885,  
0.4555


 157.4128, 0.3523,  
0.3903

 10.6236, 0.3985,  
0.4767

195.0667, 0.3497,  
0.3860

 5.8143, 0.4098,  
0.5048

238.2920, 0.3474,  
0.3823

 2.7325, 0.4365,  
0.5635

287.4731, 0.3454,

 0.9937, 0.4128,

0.3790

0.5872

342.9944, 0.3436,  
0.3761

0.0000, 0.0000,  
0.0000

54.8229, 0.3676,  
0.4163

54.8229, 0.3676,  
0.4163

54.0936, 0.3819,  
0.4387

55.6629, 0.3525,  
0.3925

53.4614, 0.3948,  
0.4587

56.6120, 0.3371,  
0.3680

52.9218, 0.4057,  
0.4753

57.6778, 0.3220,  
0.3439

52.4672, 0.4141,  
0.4879

58.8654, 0.3074,  
0.3205

52.0884, 0.4200,  
0.4962

60.1794, 0.2937,  
0.2984

■ 51.7740, 0.4233,  
0.5004

■ 61.6243, 0.2809,  
0.2777

■ 51.6661, 0.4242,  
0.5014

■ 62.2884, 0.2771,  
0.2720

■ 62.5495, 0.2771,  
0.2726

■ 62.8116, 0.2772,  
0.2732

# Harmonies

## Analogous

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



54.8229, 0.4013, 0.3946



54.8229, 0.3676, 0.4163



54.8229, 0.3207, 0.4124

# Triad

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



54.8229, 0.3676, 0.4163



54.8229, 0.2237, 0.2867



54.8229, 0.3487, 0.2850

# Complementary

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



54.8229, 0.3676, 0.4163



24.7800, 0.2476, 0.2236

# 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.



54.8229, 0.2985, 0.2602



54.8229, 0.3676, 0.4163



54.8229, 0.2296, 0.2589

# Square

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



54.8229, 0.3676, 0.4163



54.8229, 0.2390, 0.3310



54.8229, 0.2558, 0.2505



54.8229, 0.3912, 0.3200



# Rectangle

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



54.8229, 0.3676, 0.4163



54.8229, 0.2886, 0.3932



54.8229, 0.2558, 0.2505



54.8229, 0.3320, 0.2753

# Sweetspot

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



54.8254, 0.3676, 0.4163



97.8325, 0.3293, 0.3555



29.4858, 0.3966, 0.3260



20.8868, 0.3314, 0.3588



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.



54.8254, 0.3676, 0.4163



92.8057, 0.3795, 0.4350



51.5456, 0.3379, 0.4278



12.3651, 0.3266, 0.3512



32.5061, 0.4241, 0.5014



1.5553, 0.4231, 0.5023



# Inverse Universe

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



24.7800, 0.2476, 0.2236



33.5636, 0.2300, 0.1949



27.3506, 0.2781, 0.2292



10.3334, 0.2983, 0.3058



2.7489, 0.1506, 0.0620



0.1468, 0.1525, 0.0690



# Previews

## White Background



This preview shows how the Yxy color 54.8229, 0.3676, 0.4163 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 54.8229, 0.3676, 0.4163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

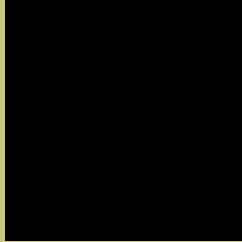
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.8229, 0.3676, 0.4163**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8229, 0.3676, 0.4163.



This preview shows how white text looks on a background with the Yxy color 54.8229, 0.3676, 0.4163.

# 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

54.8229, 0.3676, 0.4163

### Protanopia

54.5596, 0.3797, 0.4102

### Deuteranopia

54.6718, 0.3998, 0.3918



## Tritanopia

54.8882, 0.3184, 0.3127

# Trichromacy



## Original Color

54.8229, 0.3676, 0.4163

## Protanomaly

54.4221, 0.3757, 0.4124

## Deuteranomaly

54.4029, 0.3880, 0.3999

## Tritanomaly

54.5399, 0.3374, 0.3496

# Monochromacy



## Original Color

54.8229, 0.3676, 0.4163

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.4969, 0.3324, 0.3616

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8229, 0.3676, 0.4163 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(201, 199, 128)` looks like.

```
.text, #text, p{  
    color:rgb(201, 199, 128)  
}
```

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(201, 199, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 199, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8229, 0.3676, 0.4163 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(201, 199, 128) }
```

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

```
.border{ border-color:rgb(201, 199, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 199, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 199, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 199, 128);  
box-shadow:4px 4px 4px 4px rgb(201, 199,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8229, 0.3676, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 199, 128) }
```

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

```
.background{ background-color: rgb(201,  
199, 128) }
```

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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