

# Converting Colors

Yxy(51.0075, 0.3932, 0.4581)

Have a look what the booklet for  
Yxy(51.0075, 0.3932, 0.4581)  
contains.

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# Color

**Yxy(51.0075, 0.3932, 0.4581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4C257
RGB	196, 194, 87
RGB Percent	77%, 76%, 34%
CMY	0.2313, 0.2392, 0.6588
CMYK	0.00, 0.01, 0.56, 0.23
HSL	59°, 48%, 55%
HSV	59°, 56%, 77%
XYZ	43.7812, 51.0075, 16.5571
YIQ	182.4000, 35.5390, -32.8530

# Conversions

## Conversions Part 2

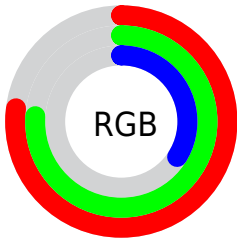
Format	Color
R <sub>Y</sub> B	89, 196, 87
Decimal	12894807
CIE Lab	76.68, -13.35, 53.05
CIE LCh	77, 54.703, 104.126
Yxy	51.0075, 0.3932, 0.4581
Android (android.graphics.Color)	4291084887 (0xFFC4C257)
YUV	182.4000, -47.0322, 11.9272
Hunter-Lab	71.4195, -15.5612, 36.2485

# Details

The Yxy color **51.0075, 0.3932, 0.4581** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **13.1637, 0.2068, 0.1558**, and the grayscale version is **47.2590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5247, 0.3818, 0.4360**, and **24.7350, 0.4084, 0.4900** is the 20% darker color. If you saturate the color by 10%, you get **50.5702, 0.4040, 0.4751**, and if you desaturate by 10%, it is **51.5369, 0.3804, 0.4378**.

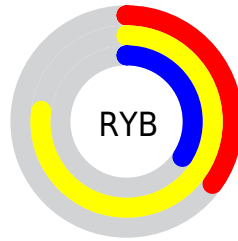
# Distribution



Red (77%)

Green (76%)

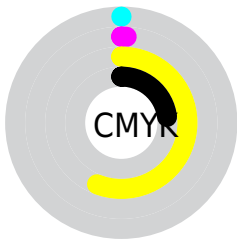
Blue (34%)



Red (35%)

Yellow (77%)

Blue (34%)

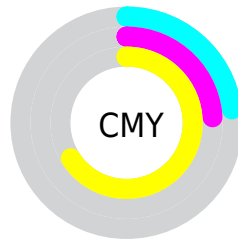


Cyan (0%)

Magenta (1%)

Yellow (56%)

Black (23%)



Cyan (23%)

Magenta (24%)


Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0075, 0.3932, 0.4581 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 51.0075, 0.3932, 0.4581 by changing the saturation by 10% instead.




 51.0075, 0.3932,  
0.4581


 51.0075, 0.3932,  
0.4581

390.5929, 0.3570,  
0.3954

 36.2146, 0.4004,  
0.4723


 91.6659, 0.3813,  
0.4362


 24.6000, 0.4083,  
0.4895


 118.3001, 0.3765,  
0.4277

 15.7793, 0.4165,  
0.5102


 149.6502, 0.3722,  
0.4204

 9.3681, 0.4241,  
0.5352

 186.1006, 0.3684,  
0.4140

 4.9820, 0.4312,  
0.5688

228.0357, 0.3651,  
0.4085

 2.2367, 0.4135,  
0.5865

275.8398, 0.3621,

 0.7399, 0.3377,

0.4036

0.6623

329.8974, 0.3594,  
0.3993

0.0000, 0.0000,  
0.0000

51.0075, 0.3932,  
0.4581

51.0075, 0.3932,  
0.4581

50.5702, 0.4040,  
0.4751

51.5369, 0.3804,  
0.4378

50.2108, 0.4125,  
0.4881

52.1577, 0.3662,  
0.4152

49.9231, 0.4183,  
0.4968

52.8781, 0.3512,  
0.3912

49.6968, 0.4216,  
0.5014

53.7034, 0.3360,  
0.3666

49.6077, 0.4226,  
0.5027

54.6386, 0.3209,  
0.3423

■ 55.6884, 0.3064,  
0.3188

■ 56.8572, 0.2928,  
0.2966

■ 58.1489, 0.2801,  
0.2759

■ 59.0127, 0.2733,  
0.2650

# Harmonies

## Analogous

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



51.0075, 0.4441, 0.4184



51.0075, 0.3932, 0.4581



51.0075, 0.3241, 0.4606

# Triad

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



51.0075, 0.3932, 0.4581



51.0075, 0.1851, 0.2656



51.0075, 0.3624, 0.2630

# Complementary

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



51.0075, 0.3932, 0.4581



13.1637, 0.2068, 0.1558

# 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.



51.0075, 0.2869, 0.2297



51.0075, 0.3932, 0.4581



51.0075, 0.1924, 0.2270

# Square

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



51.0075, 0.3932, 0.4581



51.0075, 0.2063, 0.3328



51.0075, 0.2270, 0.2164



51.0075, 0.4291, 0.3106



# Rectangle

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



51.0075, 0.3932, 0.4581



51.0075, 0.2773, 0.4327



51.0075, 0.2270, 0.2164



51.0075, 0.3367, 0.2500

# Sweetspot

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



51.0099, 0.3932, 0.4581



97.0044, 0.3385, 0.3707



19.3063, 0.4721, 0.3249



20.6957, 0.3416, 0.3757



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.



51.0099, 0.3932, 0.4581



91.4192, 0.4063, 0.4786



46.2102, 0.3471, 0.4835



11.7253, 0.3265, 0.3513



31.8831, 0.4225, 0.5027



1.3879, 0.4218, 0.5033



# Inverse Universe

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



13.1637, 0.2068, 0.1558



15.9794, 0.1829, 0.1162



16.1984, 0.2532, 0.1721



9.7772, 0.2983, 0.3056



2.6255, 0.1504, 0.0614



0.1240, 0.1518, 0.0664



# Previews

## White Background



This preview shows how the Yxy color 51.0075, 0.3932, 0.4581 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 51.0075, 0.3932, 0.4581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

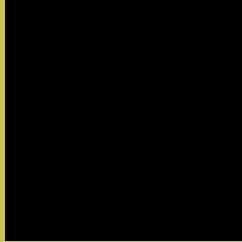
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.0075, 0.3932, 0.4581**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0075, 0.3932, 0.4581.



This preview shows how white text looks on a background with the Yxy color 51.0075, 0.3932, 0.4581.

# 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

51.0075, 0.3932, 0.4581

### Protanopia

50.7687, 0.4097, 0.4478

### Deuteranopia

50.7215, 0.4336, 0.4245



## Tritanopia

50.7525, 0.3220, 0.3111

# Trichromacy



## Original Color

51.0075, 0.3932, 0.4581

## Protanomaly

50.9126, 0.4039, 0.4520

## Deuteranomaly

50.6518, 0.4190, 0.4357

## Tritanomaly

50.2486, 0.3509, 0.3652

# Monochromacy



## Original Color

51.0075, 0.3932, 0.4581

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.7892, 0.3448, 0.3803

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0075, 0.3932, 0.4581 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, 194, 87)` looks like.

```
.text, #text, p{  
    color:rgb(196, 194, 87)  
}
```

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, 194, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 194, 87) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0075, 0.3932, 0.4581 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, 194, 87) }
```

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

```
.border{ border-color:rgb(196, 194, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 194, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 194, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 194, 87);  
box-shadow:4px 4px 4px 4px rgb(196, 194,  
87) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0075, 0.3932, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 194, 87) }
```

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

```
.background{ background-color: rgb(196,  
194, 87) }
```

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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