

# Converting Colors

$Yxy(60.2001, 0.3888, 0.4782)$

Have a look what the booklet for  
Yxy(60.2001, 0.3888, 0.4782)  
contains.

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# Color

**Yxy(60.4619, 0.3884, 0.4782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8D551
RGB	200, 213, 81
RGB Percent	78%, 84%, 32%
CMY	0.2155, 0.1647, 0.6823
CMYK	0.06, 0.00, 0.62, 0.16
HSL	66°, 61%, 58%
HSV	66°, 62%, 84%
XYZ	49.1079, 60.4619, 16.8666
YIQ	194.0650, 34.6240, -43.8080

# Conversions

## Conversions Part 2

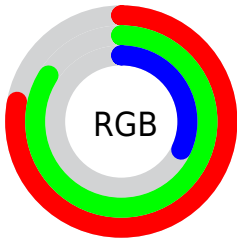
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 213, 94
Decimal	13161809
CIE <sub>Lab</sub>	82.09, -21.58, 61.71
CIE <sub>LCh</sub>	82, 65.372, 109.279
Yxy	60.4619, 0.3884, 0.4782
Android (android.graphics.Color)	4291351889 (0xFFC8D551)
YUV	194.0650, -55.7410, 5.2050
Hunter-Lab	77.7573, -23.3428, 41.5693

# Details

The Yxy color **60.4619, 0.3884, 0.4782** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.0663, 0.2015, 0.1346**, and the grayscale version is **54.3158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **30.3439, 0.3994, 0.5117** is the 20% darker color. If you saturate the color by 10%, you get **59.9078, 0.3955, 0.4949**, and if you desaturate by 10%, it is **61.1256, 0.3790, 0.4578**.

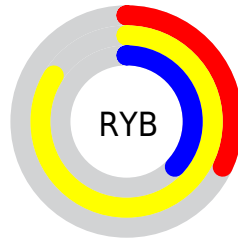
# Distribution



Red (78%)

Green (84%)

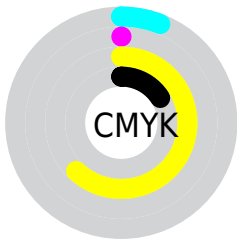
Blue (32%)



Red (32%)

Yellow (84%)

Blue (37%)

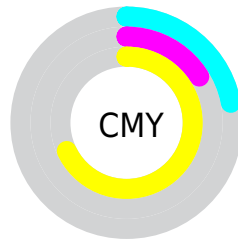


Cyan (6%)

Magenta (0%)

Yellow (62%)

Black (16%)



Cyan (22%)

Magenta (16%)

Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4619, 0.3884, 0.4782 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 60.4619, 0.3884, 0.4782 by changing the saturation by 10% instead.




 60.4619, 0.3884,  
0.4782


 60.4619, 0.3884,  
0.4782


426.2982, 0.3571,  
0.4074

 43.7910, 0.3937,  
0.4938


 105.4994, 0.3788,  
0.4539

 30.5063, 0.3991,  
0.5123


 134.6349, 0.3747,  
0.4443


 20.2232, 0.4037,  
0.5342


 168.6940, 0.3710,  
0.4360

 12.5574, 0.4061,  
0.5600

 208.0612, 0.3676,  
0.4288

 7.1245, 0.4060,  
0.5940

 253.1208, 0.3646,  
0.4225

 3.5401, 0.3838,  
0.6162

304.2572, 0.3618,

 1.4198, 0.3442,

0.4169

0.6558

361.8549, 0.3594,  
0.4119

0.2312, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.4619, 0.3884,  
0.4782

60.4619, 0.3884,  
0.4782

59.9078, 0.3955,  
0.4949

61.1256, 0.3790,  
0.4578

59.4454, 0.4000,  
0.5072


61.8992, 0.3678,  
0.4347


59.0656, 0.4019,  
0.5151


62.7930, 0.3553,  
0.4098


58.8043, 0.4020,  
0.5190


63.8139, 0.3420,  
0.3841

 64.9683, 0.3286,  
0.3585

 66.2621, 0.3153,  
0.3337

 67.7010, 0.3025,  
0.3102

 69.2901, 0.2904,  
0.2882

 69.8417, 0.2896,  
0.2848

# Harmonies

## Analogous

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



60.4619, 0.4510, 0.4358



60.4619, 0.3884, 0.4782



60.4619, 0.3100, 0.4741

# Triad

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



60.4619, 0.3884, 0.4782



60.4619, 0.1708, 0.2473



60.4619, 0.3829, 0.2636

# Complementary

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



60.4619, 0.3884, 0.4782



13.0663, 0.2015, 0.1346

# 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.



60.4619, 0.2969, 0.2241



60.4619, 0.3884, 0.4782



60.4619, 0.1841, 0.2114

# Square

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



60.4619, 0.3884, 0.4782



60.4619, 0.1878, 0.3171



60.4619, 0.2265, 0.2053



60.4619, 0.4536, 0.3171



# Rectangle

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



60.4619, 0.3884, 0.4782



60.4619, 0.2592, 0.4357



60.4619, 0.2265, 0.2053



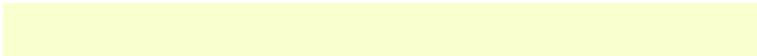
60.4619, 0.3541, 0.2485

# Sweetspot

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



60.4647, 0.3884, 0.4782



96.3727, 0.3383, 0.3770



22.3940, 0.4998, 0.3418



20.5251, 0.3422, 0.3844



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.



60.4647, 0.3884, 0.4782



89.8336, 0.3970, 0.4988



53.4133, 0.3372, 0.5083



14.4552, 0.3251, 0.3521



35.9481, 0.4023, 0.5188



2.1866, 0.4054, 0.5163



# Inverse Universe

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



13.0663, 0.2015, 0.1346



13.0740, 0.1789, 0.0985



17.9580, 0.2596, 0.1605



12.0664, 0.2996, 0.3050



3.0515, 0.1535, 0.0619



0.2044, 0.1635, 0.0674



# Previews

## White Background



This preview shows how the Yxy color 60.4619, 0.3884, 0.4782 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 60.4619, 0.3884, 0.4782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

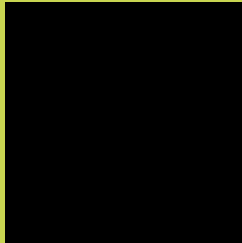
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.4619, 0.3884, 0.4782**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4619, 0.3884, 0.4782.



This preview shows how white text looks on a background with the Yxy color 60.4619, 0.3884, 0.4782.

# 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

60.4619, 0.3884, 0.4782

### Protanopia

60.0811, 0.4178, 0.4591

### Deuteranopia

60.1543, 0.4424, 0.4326



## Tritanopia

60.5110, 0.3127, 0.3120

# Trichromacy



**Original Color**

60.4619, 0.3884, 0.4782

**Protanomaly**

59.9565, 0.4069, 0.4657

**Deuteranomaly**

59.9216, 0.4227, 0.4486

**Tritanomaly**

59.9711, 0.3444, 0.3754

# Monochromacy



**Original Color**

60.4619, 0.3884, 0.4782

**Achromatopsia**

53.9479, 0.3127, 0.3290

**Achromatomaly**

55.8090, 0.3442, 0.3889

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4619, 0.3884, 0.4782 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(200, 213, 81)` looks like.

```
.text, #text, p{  
    color:rgb(200, 213, 81)  
}
```

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(200, 213, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 213, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4619, 0.3884, 0.4782 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(200, 213, 81) }
```

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

```
.border{ border-color:rgb(200, 213, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 213, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 213, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 213, 81);  
box-shadow:4px 4px 4px 4px rgb(200, 213,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4619, 0.3884, 0.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 213, 81) }
```

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

```
.background{ background-color: rgb(200,  
213, 81) }
```

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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