

# Converting Colors

Yxy(61.0954, 0.3944, 0.5026)

Have a look what the booklet for  
Yxy(61.0954, 0.3944, 0.5026)  
contains.

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**Color**

**Yxy(61.0954, 0.3944, 0.5026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4D834
RGB	196, 216, 52
RGB Percent	77%, 85%, 20%
CMY	0.2314, 0.1529, 0.7959
CMYK	0.09, 0.00, 0.76, 0.15
HSL	67°, 68%, 53%
HSV	67°, 76%, 85%
XYZ	47.9427, 61.0954, 12.5205
YIQ	191.3240, 40.7240, -55.2440

# Conversions

## Conversions Part 2

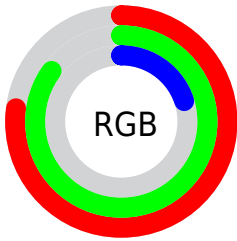
Format	Color
<b>RYB</b>	52, 216, 72
Decimal	12900404
CIELab	82.43, -26.25, 72.45
CIELCh	82, 77.061, 109.919
Yxy	61.0954, 0.3944, 0.5026
Android (android.graphics.Color)	4291090484 (0xFFC4D834)
YUV	191.3240, -68.6867, 4.1009
Hunter-Lab	78.1635, -27.3006, 45.2172

# Details

The Yxy color **61.0954, 0.3944, 0.5026** 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 **8.7990, 0.1793, 0.0968**, and the grayscale version is **52.6929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9277, 0.3939, 0.4633**, and **30.8930, 0.3946, 0.5249** is the 20% darker color. If you saturate the color by 10%, you get **60.5956, 0.3974, 0.5137**, and if you desaturate by 10%, it is **61.6960, 0.3887, 0.4871**.

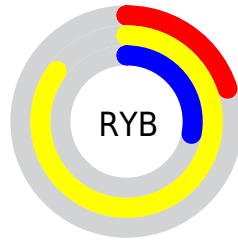
# Distribution



Red (77%)

Green (85%)

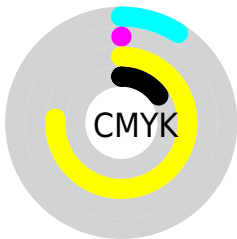
Blue (20%)



Red (20%)

Yellow (85%)

Blue (28%)

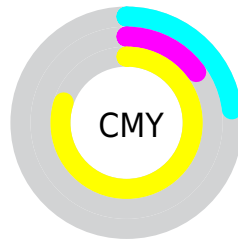


Cyan (9%)

Magenta (0%)

Yellow (76%)

Black (15%)



Cyan (23%)

Magenta (15%)

Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0954, 0.3944, 0.5026 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 61.0954, 0.3944, 0.5026 by changing the saturation by 10% instead.





 61.0954, 0.3944,  
0.5026

 61.0954, 0.3944,  
0.5026


428.6237, 0.3631,  
0.4216


 44.3022, 0.3987,  
0.5196


 106.4171, 0.3856,  
0.4754

 30.9081, 0.4021,  
0.5392


 135.7143, 0.3816,  
0.4644


 20.5289, 0.4034,  
0.5614


 169.9483, 0.3778,  
0.4549

 12.7801, 0.4049,  
0.5928

 209.5034, 0.3743,  
0.4466

 7.2773, 0.3884,  
0.6116

 254.7641, 0.3711,  
0.4392

 3.6361, 0.3616,  
0.6384

306.1148, 0.3682,

 1.4722, 0.3118,

0.4327

0.6882

363.9399, 0.3655,  
0.4268

0.2690, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.0954, 0.3944,  
0.5026

61.0954, 0.3944,  
0.5026

60.5956, 0.3974,  
0.5137

61.6960, 0.3887,  
0.4871

60.1748, 0.3980,  
0.5203

62.3998, 0.3806,  
0.4676

60.0161, 0.3978,  
0.5223

63.2189, 0.3705,  
0.4450

64.1614, 0.3589,  
0.4203

65.2348, 0.3463,  
0.3945

66.4460, 0.3332,  
0.3687

67.8011, 0.3202,  
0.3434

69.3063, 0.3076,  
0.3193

70.9670, 0.2955,  
0.2967

# Harmonies

## Analogous

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



61.0954, 0.4686, 0.4488



61.0954, 0.3944, 0.5026



61.0954, 0.3045, 0.5019

# Triad

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



61.0954, 0.3944, 0.5026



61.0954, 0.1516, 0.2316



61.0954, 0.3965, 0.2547

# Complementary

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



61.0954, 0.3944, 0.5026



8.7990, 0.1793, 0.0968

# 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.



61.0954, 0.2954, 0.2103



61.0954, 0.3944, 0.5026



61.0954, 0.1671, 0.1937

# Square

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



61.0954, 0.3944, 0.5026



61.0954, 0.1684, 0.3107



61.0954, 0.2147, 0.1886



61.0954, 0.4792, 0.3142



# Rectangle

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



61.0954, 0.3944, 0.5026



61.0954, 0.2468, 0.4551



61.0954, 0.2147, 0.1886



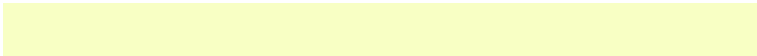
61.0954, 0.3625, 0.2377

# Sweetspot

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



61.0982, 0.3944, 0.5026



95.4498, 0.3428, 0.3876



19.3778, 0.5579, 0.3464



20.2991, 0.3475, 0.3970



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.



61.0982, 0.3944, 0.5026



87.8631, 0.3980, 0.5182



53.0000, 0.3322, 0.5463



14.4395, 0.3248, 0.3522



35.5542, 0.3981, 0.5221



2.1666, 0.4020, 0.5190



# Inverse Universe

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



8.7990, 0.1793, 0.0968



8.5412, 0.1598, 0.0692



14.2068, 0.2497, 0.1324



12.0805, 0.3000, 0.3050



3.0922, 0.1548, 0.0626



0.2111, 0.1666, 0.0692



# Previews

## White Background



This preview shows how the Yxy color 61.0954, 0.3944, 0.5026 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 61.0954, 0.3944, 0.5026 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 61.0954, 0.3944, 0.5026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0954, 0.3944, 0.5026.



This preview shows how white text looks on a background with the Yxy color 61.0954, 0.3944, 0.5026.

# 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

61.0954, 0.3944, 0.5026

### Protanopia

60.7074, 0.4317, 0.4763

### Deuteranopia

60.7713, 0.4506, 0.4420



## Tritanopia

60.6319, 0.3090, 0.3108

# Trichromacy



**Original Color**

61.0954, 0.3944, 0.5026

**Protanomaly**

60.7366, 0.4183, 0.4858

**Deuteranomaly**

60.5860, 0.4308, 0.4641

**Tritanomaly**

59.6987, 0.3483, 0.3879

# Monochromacy



**Original Color**

61.0954, 0.3944, 0.5026

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

54.5395, 0.3516, 0.4047

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0954, 0.3944, 0.5026 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, 216, 52)` looks like.

```
.text, #text, p{  
    color:rgb(196, 216, 52)  
}
```

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, 216, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 216, 52) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0954, 0.3944, 0.5026 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, 216, 52) }
```

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

```
.border{ border-color:rgb(196, 216, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 216, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 216, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 216, 52);  
box-shadow:4px 4px 4px 4px rgb(196, 216,  
52) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0954, 0.3944, 0.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 216, 52) }
```

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

```
.background{ background-color: rgb(196,  
216, 52) }
```

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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