

# Converting Colors

$Yxy(77.1683, 0.3678, 0.4985)$

Have a look what the booklet for  
Yxy(77.1683, 0.3678, 0.4985)  
contains.

<b>Yxy(77.2436, 0.3681, 0.4983)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(77.2436, 0.3681, 0.4983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5F456
RGB	197, 244, 86
RGB Percent	77%, 96%, 34%
CMY	0.2274, 0.0431, 0.6627
CMYK	0.19, 0.00, 0.65, 0.04
HSL	78°, 88%, 65%
HSV	78°, 65%, 96%
XYZ	57.0607, 77.2436, 20.7099
YIQ	211.9350, 22.7060, -59.1020

# Conversions

## Conversions Part 2

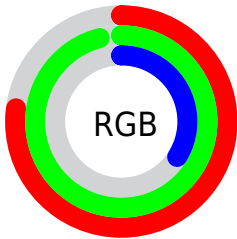
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 244, 133
Decimal	12973142
CIE <sub>Lab</sub>	90.43, -36.97, 68.49
CIE <sub>LCh</sub>	90, 77.828, 118.360
Yxy	77.2436, 0.3681, 0.4983
Android (android.graphics.Color)	4291163222 (0xFFC5F456)
YUV	211.9350, -62.0860, -13.0980
Hunter-Lab	87.8883, -37.9150, 47.5508

# Details

The Yxy color **77.2436, 0.3681, 0.4983** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **18.1778, 0.2172, 0.1346**, and the grayscale version is **66.2077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7330, 0.3788, 0.4382**, and **41.5024, 0.3716, 0.5365** is the 20% darker color. If you saturate the color by 10%, you get **75.9622, 0.3709, 0.5180**, and if you desaturate by 10%, it is **78.7133, 0.3629, 0.4748**.

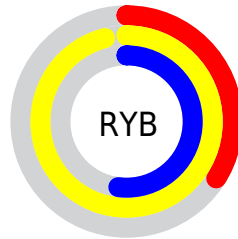
# Distribution



Red (77%)

Green (96%)

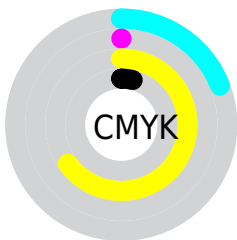
Blue (34%)



Red (34%)

Yellow (96%)

Blue (52%)

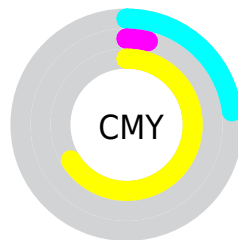


Cyan (19%)

Magenta (0%)

Yellow (65%)

Black (4%)



Cyan (23%)

Magenta (4%)


Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2436, 0.3681, 0.4983 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 77.2436, 0.3681, 0.4983 by changing the saturation by 10% instead.




 77.2436, 0.3681,  
0.4983


 77.2436, 0.3681,  
0.4983


485.5942, 0.3487,  
0.4194

 57.4528, 0.3705,  
0.5154


 129.4833, 0.3630,  
0.4715

 41.3689, 0.3722,  
0.5358


 162.7010, 0.3605,  
0.4608

 28.6075, 0.3724,  
0.5600


 201.1631, 0.3581,  
0.4516

 18.7841, 0.3696,  
0.5887

 245.2541, 0.3559,  
0.4435

 11.5144, 0.3652,  
0.6301

295.3583, 0.3539,  
0.4364

 6.4139, 0.3400,  
0.6600


351.8601, 0.3520,


 3.0984, 0.2982,


0.4301


0.7018


415.1440, 0.3503,  
0.4245


 1.1833, 0.1417,  
0.8583


 0.0480, 0.0000,  
1.0000


 77.2436, 0.3681,  
0.4983


 77.2436, 0.3681,  
0.4983


 75.9622, 0.3709,  
0.5180


 78.7133, 0.3629,  
0.4748


 74.8437, 0.3710,  
0.5330


 80.3738, 0.3558,  
0.4487

 73.8734, 0.3687,  
0.5431


 82.2401, 0.3472,  
0.4213


 73.4089, 0.3669,  
0.5469

 84.3228, 0.3376,  
0.3935

 86.6315, 0.3276,  
0.3665

 89.1752, 0.3175,  
0.3407

 91.8444, 0.3086,  
0.3183

 93.1819, 0.3132,  
0.3185

# Harmonies

## Analogous

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



77.2436, 0.4439, 0.4603



77.2436, 0.3681, 0.4983



77.2436, 0.2825, 0.4746

# Triad

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



77.2436, 0.3681, 0.4983



77.2436, 0.1610, 0.2240



77.2436, 0.4167, 0.2740

# Complementary

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



77.2436, 0.3681, 0.4983



18.1778, 0.2172, 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.



77.2436, 0.3228, 0.2266



77.2436, 0.3681, 0.4983



77.2436, 0.1844, 0.1968

# Square

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



77.2436, 0.3681, 0.4983



77.2436, 0.1685, 0.2879



77.2436, 0.2390, 0.1993



77.2436, 0.4814, 0.3336



# Rectangle

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



77.2436, 0.3681, 0.4983



77.2436, 0.2312, 0.4195



77.2436, 0.2390, 0.1993



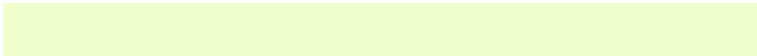
77.2436, 0.3865, 0.2564

# Sweetspot

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



77.2471, 0.3681, 0.4983



94.6319, 0.3319, 0.3780



36.0799, 0.4881, 0.3741



20.0997, 0.3348, 0.3858



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.



77.2471, 0.3681, 0.4983



83.5220, 0.3712, 0.5237



69.3852, 0.3187, 0.5289



19.0518, 0.3223, 0.3527



39.9896, 0.3677, 0.5462



3.5678, 0.3743, 0.5410



# Inverse Universe

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



18.1778, 0.2172, 0.1346



13.7200, 0.1952, 0.1008



26.8591, 0.2861, 0.1664



16.1655, 0.3026, 0.3049



4.3740, 0.1698, 0.0709

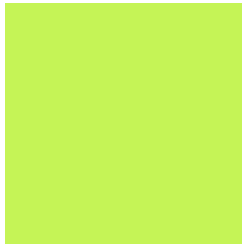


0.4354, 0.1829, 0.0781



# Previews

## White Background



This preview shows how the Yxy color 77.2436, 0.3681, 0.4983 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 77.2436, 0.3681, 0.4983 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

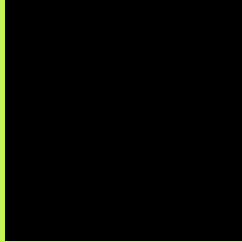
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.2436, 0.3681, 0.4983**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.2436, 0.3681, 0.4983.

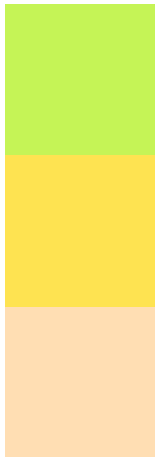


This preview shows how white text looks on a background with the Yxy color 77.2436, 0.3681, 0.4983.

# 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

77.2436, 0.3681, 0.4983

### Protanopia

76.6031, 0.4224, 0.4634

### Deuteranopia

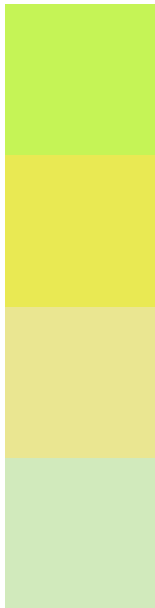
76.7572, 0.3670, 0.3731



## Tritanopia

76.7396, 0.2936, 0.3099

# Trichromacy



## Original Color

77.2436, 0.3681, 0.4983

## Protanomaly

76.2260, 0.4018, 0.4763

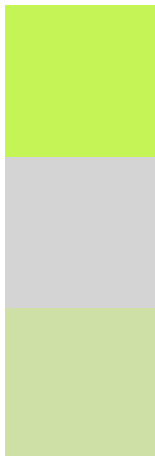
## Deuteranomaly

76.1304, 0.3712, 0.4197

## Tritanomaly

76.0318, 0.3245, 0.3808

# Monochromacy



## Original Color

77.2436, 0.3681, 0.4983

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

69.3299, 0.3388, 0.3963

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.2436, 0.3681, 0.4983 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(197, 244, 86)` looks like.

```
.text, #text, p{  
    color:rgb(197, 244, 86)  
}
```

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(197, 244, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 244, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 77.2436, 0.3681, 0.4983 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(197, 244, 86) }
```

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

```
.border{ border-color:rgb(197, 244, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 244, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 244, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 244, 86);  
box-shadow:4px 4px 4px 4px rgb(197, 244,  
86) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 77.2436, 0.3681, 0.4983$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 244, 86) }
```

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

```
.background{ background-color: rgb(197,  
244, 86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor