

# Converting Colors

$Yxy(69.6162, 0.3762, 0.4933)$

Have a look what the booklet for  
Yxy(69.6162, 0.3762, 0.4933)  
contains.

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# Color

**Yxy(69.6162, 0.3762, 0.4933)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5E751
RGB	197, 231, 81
RGB Percent	77%, 91%, 32%
CMY	0.2274, 0.0941, 0.6825
CMYK	0.15, 0.00, 0.65, 0.09
HSL	74°, 76%, 61%
HSV	74°, 65%, 91%
XYZ	53.0906, 69.6162, 18.4166
YIQ	203.7340, 27.8860, -53.8580

# Conversions

## Conversions Part 2

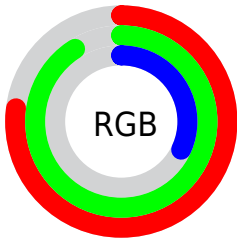
Format	Color
<a href="#">RYB</a>	<a href="#">81, 231, 115</a>
Decimal	<a href="#">12969809</a>
CIELab	<a href="#">86.81, -31.36, 66.65</a>
CIELCh	<a href="#">87, 73.659, 115.199</a>
Yxy	<a href="#">69.6162, 0.3762, 0.4933</a>
Android (android.graphics.Color)	<a href="#">4291159889 (0xFFC5E751)</a>
YUV	<a href="#">203.7340, -60.5079, -5.9057</a>
Hunter-Lab	<a href="#">83.4363, -32.4338, 45.3185</a>

# Details

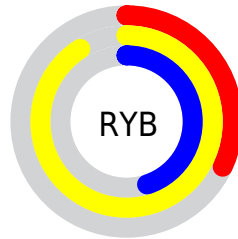
The Yxy color **69.6162, 0.3762, 0.4933** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **15.2910, 0.2088, 0.1307**, and the grayscale version is **60.5850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5861, 0.3814, 0.4426**, and **36.2645, 0.3828, 0.5296** is the 20% darker color. If you saturate the color by 10%, you get **68.6357, 0.3802, 0.5114**, and if you desaturate by 10%, it is **70.7453, 0.3698, 0.4713**.

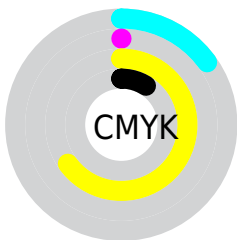
# Distribution



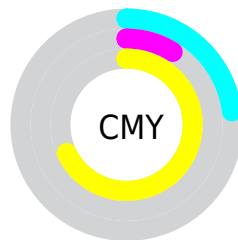
- Red (77%)
- Green (91%)
- Blue (32%)



- Red (32%)
- Yellow (91%)
- Blue (45%)



- Cyan (15%)
- Magenta (0%)
- Yellow (65%)
- Black (9%)




- Cyan (23%)
- Magenta (9%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6162, 0.3762, 0.4933 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 69.6162, 0.3762, 0.4933 by changing the saturation by 10% instead.




 69.6162, 0.3762,  
0.4933

 69.6162, 0.3762,  
0.4933

459.2013, 0.3524,  
0.4161

 51.2137, 0.3795,  
0.5101

 118.6613, 0.3695,  
0.4669


 36.3787, 0.3824,  
0.5301


 150.0726, 0.3664,  
0.4565

 24.7268, 0.3839,  
0.5539


 186.5891, 0.3635,  
0.4475

 15.8736, 0.3822,  
0.5818

 228.5950, 0.3609,  
0.4396

 9.4348, 0.3786,  
0.6214

276.4748, 0.3585,  
0.4326

 5.0258, 0.3521,  
0.6479


330.6128, 0.3563,

 2.2624, 0.3094,


0.4265


0.6906


391.3935, 0.3542,  
0.4210

 0.7537, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 69.6162, 0.3762,  
0.4933


 69.6162, 0.3762,  
0.4933


 68.6357, 0.3802,  
0.5114

 70.7453, 0.3698,  
0.4713


 67.7817, 0.3816,  
0.5250


 72.0245, 0.3614,  
0.4466

 67.0416, 0.3804,  
0.5339


 73.4669, 0.3515,  
0.4202


 66.6987, 0.3792,  
0.5371


 75.0813, 0.3407,  
0.3933

 76.8758, 0.3295,  
0.3667

 78.8582, 0.3182,  
0.3411

 81.0354, 0.3072,  
0.3171

 82.7011, 0.3031,  
0.3050

 83.6243, 0.3066,  
0.3053

# Harmonies

## Analogous

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



69.6162, 0.4483, 0.4526



69.6162, 0.3762, 0.4933



69.6162, 0.2921, 0.4773

# Triad

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



69.6162, 0.3762, 0.4933



69.6162, 0.1627, 0.2308



69.6162, 0.4056, 0.2694

# Complementary

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



69.6162, 0.3762, 0.4933



15.2910, 0.2088, 0.1307

# 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.



69.6162, 0.3130, 0.2244



69.6162, 0.3762, 0.4933



69.6162, 0.1826, 0.2004

# Square

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



69.6162, 0.3762, 0.4933



69.6162, 0.1736, 0.2978



69.6162, 0.2332, 0.1999



69.6162, 0.4738, 0.3274



# Rectangle

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



69.6162, 0.3762, 0.4933



69.6162, 0.2402, 0.4274



69.6162, 0.2332, 0.1999



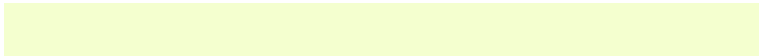
69.6162, 0.3753, 0.2525

# Sweetspot

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



69.6193, 0.3762, 0.4933



95.2411, 0.3342, 0.3776



29.4994, 0.4973, 0.3631



20.2481, 0.3374, 0.3853



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.



69.6193, 0.3762, 0.4933



85.5017, 0.3810, 0.5167



61.9921, 0.3245, 0.5253



16.6440, 0.3233, 0.3525



37.4499, 0.3799, 0.5366



2.8078, 0.3859, 0.5318



# Inverse Universe

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



15.2910, 0.2088, 0.1307



12.8331, 0.1862, 0.0962



22.4037, 0.2759, 0.1617



14.0438, 0.3015, 0.3049



3.6941, 0.1624, 0.0668



0.3140, 0.1765, 0.0746



# Previews

## White Background



This preview shows how the Yxy color 69.6162, 0.3762, 0.4933 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

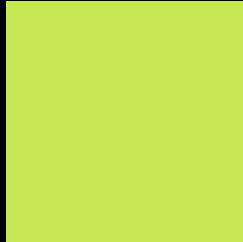
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6162, 0.3762, 0.4933 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 69.6162, 0.3762, 0.4933**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6162, 0.3762, 0.4933.

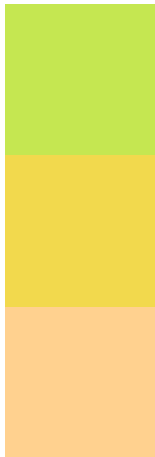


This preview shows how white text looks on a background with the Yxy color 69.6162, 0.3762, 0.4933.

# 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

69.6162, 0.3762, 0.4933

### Protanopia

69.0388, 0.4217, 0.4638

### Deuteranopia

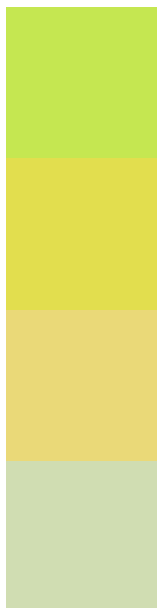
68.8441, 0.3977, 0.3968



## Tritanopia

69.2911, 0.3001, 0.3104

# Trichromacy



## Original Color

69.6162, 0.3762, 0.4933

## Protanomaly

68.9614, 0.4053, 0.4748

## Deuteranomaly

68.4742, 0.3925, 0.4325

## Tritanomaly

68.3372, 0.3321, 0.3788

# Monochromacy



## Original Color

69.6162, 0.3762, 0.4933

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

63.0138, 0.3410, 0.3951

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6162, 0.3762, 0.4933 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, 231, 81)` looks like.

```
.text, #text, p{  
    color:rgb(197, 231, 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(197, 231, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 231, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6162, 0.3762, 0.4933 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, 231, 81) }
```

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

```
.border{ border-color:rgb(197, 231, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 231, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 231, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 231, 81);  
box-shadow:4px 4px 4px 4px rgb(197, 231,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6162, 0.3762, 0.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 231, 81) }
```

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

```
.background{ background-color: rgb(197,  
231, 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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