

# Converting Colors

Yxy(67.6692, 0.3746, 0.4531)

Have a look what the booklet for  
Yxy(67.6692, 0.3746, 0.4531)  
contains.

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# Color

**Yxy(67.6692, 0.3746, 0.4531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2DF71
RGB	210, 223, 113
RGB Percent	82%, 87%, 44%
CMY	0.1765, 0.1255, 0.5569
CMYK	0.06, 0.00, 0.49, 0.13
HSL	67°, 63%, 66%
HSV	67°, 49%, 87%
XYZ	55.9454, 67.6692, 25.7325
YIQ	206.5730, 27.5620, -36.9660

# Conversions

## Conversions Part 2

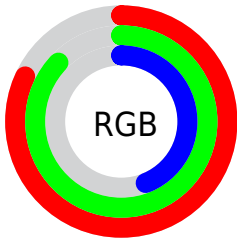
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 223, 126
Decimal	13819761
CIELab	85.84, -19.94, 51.93
CIELCh	86, 55.631, 111.003
Yxy	67.6692, 0.3746, 0.4531
Android (android.graphics.Color)	4292009841 (0xFFD2DF71)
YUV	206.5730, -46.1315, 3.0055
Hunter-Lab	82.2613, -22.5604, 39.0361

# Details

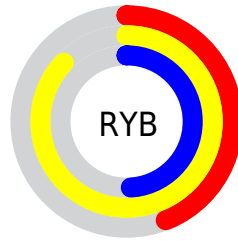
The Yxy color **67.6692, 0.3746, 0.4531** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.5726, 0.2283, 0.1769**, and the grayscale version is **62.3975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **35.1145, 0.3843, 0.4822** is the 20% darker color. If you saturate the color by 10%, you get **66.8463, 0.3842, 0.4747**, and if you desaturate by 10%, it is **68.6280, 0.3633, 0.4290**.

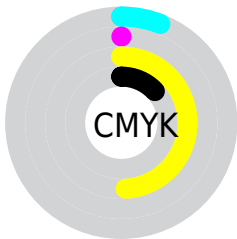
# Distribution



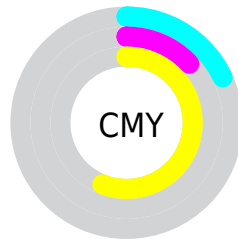
- Red (82%)
- Green (87%)
- Blue (44%)



- Red (44%)
- Yellow (87%)
- Blue (49%)



- Cyan (6%)
- Magenta (0%)
- Yellow (49%)
- Black (13%)




- Cyan (18%)
- Magenta (13%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6692, 0.3746, 0.4531 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 67.6692, 0.3746, 0.4531 by changing the saturation by 10% instead.




 67.6692, 0.3746,  
0.4531


 67.6692, 0.3746,  
0.4531


452.3231, 0.3484,  
0.3944

 49.6287, 0.3796,  
0.4663


 115.8788, 0.3662,  
0.4328

 35.1184, 0.3851,  
0.4824


 146.8166, 0.3628,  
0.4248

 23.7541, 0.3908,  
0.5021


 182.8223, 0.3597,  
0.4180

 15.1513, 0.3962,  
0.5264

224.2803, 0.3569,  
0.4120

 8.9257, 0.4000,  
0.5570

271.5750, 0.3544,  
0.4068

 4.6927, 0.4008,  
0.5992

325.0908, 0.3522,

 2.0681, 0.3724,

0.4022

0.6276

385.2120, 0.3502,  
0.3981

0.6466, 0.1651,  
0.8349

0.0000, 0.0000,  
0.0000

67.6692, 0.3746,  
0.4531

67.6692, 0.3746,  
0.4531

66.8463, 0.3842,  
0.4747

68.6280, 0.3633,  
0.4290

66.1408, 0.3915,  
0.4928


69.7219, 0.3509,  
0.4035


65.5454, 0.3963,  
0.5067

70.9614, 0.3379,  
0.3776

65.0475, 0.3985,  
0.5161

72.3535, 0.3248,  
0.3520

 64.6270, 0.3984,  
0.5215


 73.9049, 0.3119,  
0.3274

 64.6000, 0.3984,  
0.5219

 75.6217, 0.2995,  
0.3042

 76.5680, 0.2962,  
0.2962

 77.0038, 0.2980,  
0.2964

 77.4462, 0.2998,  
0.2965

# Harmonies

## Analogous

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



67.6692, 0.4269, 0.4235



67.6692, 0.3746, 0.4531



67.6692, 0.3088, 0.4434

# Triad

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



67.6692, 0.3746, 0.4531



67.6692, 0.1925, 0.2599



67.6692, 0.3748, 0.2768

# Complementary

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



67.6692, 0.3746, 0.4531



21.5726, 0.2283, 0.1769

# 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.



67.6692, 0.3044, 0.2416



67.6692, 0.3746, 0.4531



67.6692, 0.2053, 0.2294

# Square

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



67.6692, 0.3746, 0.4531



67.6692, 0.2065, 0.3170



67.6692, 0.2438, 0.2245



67.6692, 0.4305, 0.3239



# Rectangle

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



67.6692, 0.3746, 0.4531



67.6692, 0.2663, 0.4109



67.6692, 0.2438, 0.2245



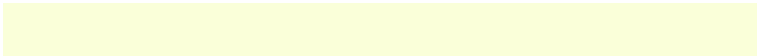
67.6692, 0.3516, 0.2634

# Sweetspot

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



67.6723, 0.3746, 0.4531



96.9289, 0.3323, 0.3667



31.7588, 0.4430, 0.3444



20.6628, 0.3351, 0.3722



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.



67.6723, 0.3746, 0.4531



90.5709, 0.3842, 0.4749



60.9560, 0.3327, 0.4725



15.9430, 0.3249, 0.3523



38.0137, 0.3987, 0.5216



2.6585, 0.4021, 0.5189



# Inverse Universe

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



21.5726, 0.2283, 0.1769



21.3943, 0.2081, 0.1430



26.9405, 0.2767, 0.1950



13.3205, 0.2999, 0.3049



3.2900, 0.1545, 0.0625



0.2541, 0.1647, 0.0681



# Previews

## White Background



This preview shows how the Yxy color 67.6692, 0.3746, 0.4531 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 67.6692, 0.3746, 0.4531 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 67.6692, 0.3746, 0.4531**

## Background



This preview shows how black text looks on a background with the Yxy color 67.6692, 0.3746, 0.4531.



This preview shows how white text looks on a background with the Yxy color 67.6692, 0.3746, 0.4531.

# 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

67.6692, 0.3746, 0.4531

### Protanopia

67.7312, 0.4020, 0.4389

### Deuteranopia

67.2667, 0.4020, 0.3979



## Tritanopia

67.3272, 0.3106, 0.3106

# Trichromacy



## Original Color

67.6692, 0.3746, 0.4531

## Protanomaly

67.6214, 0.3917, 0.4443

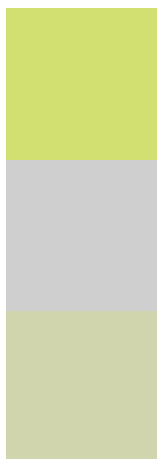
## Deuteranomaly

67.0494, 0.3925, 0.4166

## Tritanomaly

67.0515, 0.3351, 0.3619

# Monochromacy



## Original Color

67.6692, 0.3746, 0.4531

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

64.0155, 0.3369, 0.3760

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.6692, 0.3746, 0.4531 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(210, 223, 113)` looks like.

```
.text, #text, p{  
    color:rgb(210, 223, 113)  
}
```

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(210, 223, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 223, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6692, 0.3746, 0.4531 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(210, 223, 113) }
```

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

```
.border{ border-color:rgb(210, 223, 113) }
```

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

Here you see how a box with a 4 pixel rgb(210, 223, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 223, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 223, 113);  
box-shadow:4px 4px 4px 4px rgb(210, 223,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6692, 0.3746, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 223, 113) }
```

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

```
.background{ background-color: rgb(210,  
223, 113) }
```

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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