

# Converting Colors

Yxy(66.9617, 0.3846, 0.4670)

Have a look what the booklet for  
Yxy(66.9617, 0.3846, 0.4670)  
contains.

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# Color

**Yxy(66.9545, 0.3845, 0.4668)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3DE61
RGB	211, 222, 97
RGB Percent	83%, 87%, 38%
CMY	0.1724, 0.1294, 0.6196
CMYK	0.05, 0.00, 0.56, 0.13
HSL	65°, 65%, 63%
HSV	65°, 56%, 87%
XYZ	55.1500, 66.9545, 21.3285
YIQ	204.4610, 33.5690, -41.2070

# Conversions

## Conversions Part 2

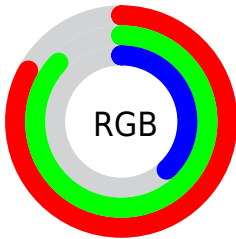
Format	Color
R <sub>Y</sub> B	97, 222, 108
Decimal	13885025
CIE Lab	85.48, -20.38, 58.81
CIE LCh	85, 62.246, 109.115
Yxy	66.9545, 0.3845, 0.4668
Android (android.graphics.Color)	4292075105 (0xFFD3DE61)
YUV	204.4610, -52.9783, 5.7347
Hunter-Lab	81.8257, -22.8873, 41.8236

# Details

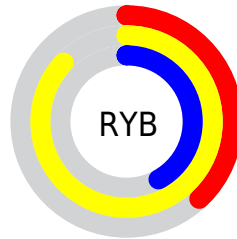
The Yxy color **66.9545, 0.3845, 0.4668** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.0125, 0.2115, 0.1522**, and the grayscale version is **61.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0144, 0.3739, 0.4302**, and **34.6746, 0.3956, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **66.3137, 0.3931, 0.4854**, and if you desaturate by 10%, it is **67.7208, 0.3738, 0.4449**.

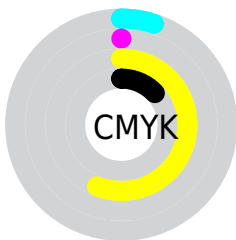
# Distribution



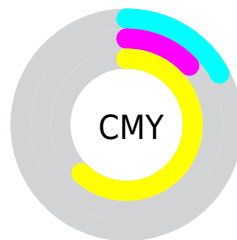
- Red (83%)
- Green (87%)
- Blue (38%)



- Red (38%)
- Yellow (87%)
- Blue (42%)



- Cyan (5%)
- Magenta (0%)
- Yellow (56%)
- Black (13%)




- Cyan (17%)
- Magenta (13%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9545, 0.3845, 0.4668 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 66.9545, 0.3845, 0.4668 by changing the saturation by 10% instead.




 66.9545, 0.3845,  
0.4668


 66.9545, 0.3845,  
0.4668


449.7828, 0.3547,  
0.4022

 49.0477, 0.3899,  
0.4810


 114.8552, 0.3752,  
0.4447

 34.6573, 0.3956,  
0.4979


 145.6179, 0.3712,  
0.4360

 23.3990, 0.4011,  
0.5182


 181.4346, 0.3677,  
0.4284

 14.8884, 0.4055,  
0.5424

 222.6897, 0.3645,  
0.4218

 8.7411, 0.4113,  
0.5778

269.7677, 0.3617,  
0.4160

 4.5727, 0.3980,  
0.6020

323.0530, 0.3591,

 1.9988, 0.3684,

0.4109

0.6316

382.9299, 0.3568,  
0.4063

0.6068, 0.1154,  
0.8846

0.0000, 0.0000,  
0.0000

66.9545, 0.3845,  
0.4668

66.9545, 0.3845,  
0.4668

66.3137, 0.3931,  
0.4854

67.7208, 0.3738,  
0.4449

65.7792, 0.3993,  
0.5000


68.6121, 0.3616,  
0.4208


65.3425, 0.4028,  
0.5102

69.6396, 0.3484,  
0.3953


64.9890, 0.4038,  
0.5160


70.8104, 0.3347,  
0.3696


 64.8699, 0.4038,  
0.5175

 72.1314, 0.3211,  
0.3444

 73.6089, 0.3079,  
0.3202

 75.2489, 0.2953,  
0.2975

 75.7288, 0.2950,  
0.2950

 76.0466, 0.2963,  
0.2952

# Harmonies

## Analogous

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



66.9545, 0.4419, 0.4294



66.9545, 0.3845, 0.4668



66.9545, 0.3117, 0.4614

# Triad

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



66.9545, 0.3845, 0.4668



66.9545, 0.1802, 0.2542



66.9545, 0.3772, 0.2681

# Complementary

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



66.9545, 0.3845, 0.4668



17.0125, 0.2115, 0.1522

# 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.



66.9545, 0.2981, 0.2309



66.9545, 0.3845, 0.4668



66.9545, 0.1925, 0.2197

# Square

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



66.9545, 0.3845, 0.4668



66.9545, 0.1968, 0.3193



66.9545, 0.2325, 0.2134



66.9545, 0.4421, 0.3186



# Rectangle

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



66.9545, 0.3845, 0.4668



66.9545, 0.2643, 0.4265



66.9545, 0.2325, 0.2134



66.9545, 0.3508, 0.2538

# Sweetspot

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



66.9576, 0.3845, 0.4668



96.8016, 0.3359, 0.3718



26.9974, 0.4750, 0.3412



20.6473, 0.3386, 0.3770



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.



66.9576, 0.3845, 0.4668



90.6110, 0.3947, 0.4890



59.5021, 0.3367, 0.4924



15.9652, 0.3254, 0.3523



38.5576, 0.4041, 0.5174



2.6908, 0.4066, 0.5154



# Inverse Universe

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



17.0125, 0.2115, 0.1522



15.7256, 0.1881, 0.1140



22.3628, 0.2658, 0.1747



13.3005, 0.2994, 0.3048



3.2379, 0.1530, 0.0616



0.2446, 0.1610, 0.0661



# Previews

## White Background



This preview shows how the Yxy color 66.9545, 0.3845, 0.4668 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

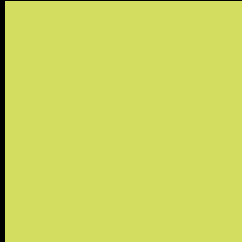
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.9545, 0.3845, 0.4668 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

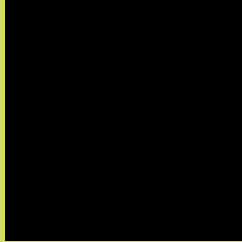
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.9545, 0.3845, 0.4668**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9545, 0.3845, 0.4668.



This preview shows how white text looks on a background with the Yxy color 66.9545, 0.3845, 0.4668.

# 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

66.9545, 0.3845, 0.4668

### Protanopia

66.9058, 0.4116, 0.4515

### Deuteranopia

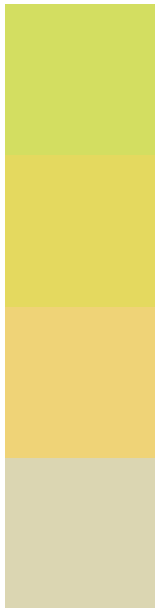
66.5613, 0.4083, 0.4046



## Tritanopia

66.8845, 0.3128, 0.3116

# Trichromacy



## Original Color

66.9545, 0.3845, 0.4668

## Protanomaly

66.9459, 0.4020, 0.4571

## Deuteranomaly

66.2712, 0.4002, 0.4263

## Tritanomaly

66.3676, 0.3417, 0.3700

# Monochromacy



## Original Color

66.9545, 0.3845, 0.4668

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

62.5705, 0.3422, 0.3836

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9545, 0.3845, 0.4668 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(211, 222, 97)` looks like.

```
.text, #text, p{  
    color:rgb(211, 222, 97)  
}
```

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(211, 222, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 222, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9545, 0.3845, 0.4668 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(211, 222, 97) }
```

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

```
.border{ border-color:rgb(211, 222, 97) }
```

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

Here you see how a box with a 4 pixel rgb(211, 222, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 222, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 222, 97);  
box-shadow:4px 4px 4px 4px rgb(211, 222,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9545, 0.3845, 0.4668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 222, 97) }
```

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

```
.background{ background-color: rgb(211,  
222, 97) }
```

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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