

# Converting Colors

Yxy(68.7812, 0.3632, 0.4325)

Have a look what the booklet for  
Yxy(68.7812, 0.3632, 0.4325)  
contains.

<b>Yxy(68.8536, 0.3631, 0.4329)</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(68.8536, 0.3631, 0.4329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3E085
RGB	211, 224, 133
RGB Percent	83%, 88%, 52%
CMY	0.1726, 0.1215, 0.4783
CMYK	0.06, 0.00, 0.41, 0.12
HSL	69°, 59%, 70%
HSV	69°, 41%, 88%
XYZ	57.7518, 68.8536, 32.4466
YIQ	209.7390, 21.4630, -31.0570

# Conversions

## Conversions Part 2

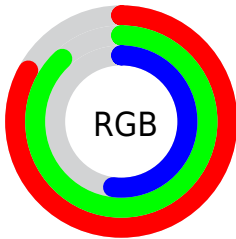
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 224, 146
Decimal	13885573
CIELab	86.43, -18.02, 43.02
CIELCh	86, 46.641, 112.731
Yxy	68.8536, 0.3631, 0.4329
Android (android.graphics.Color)	4292075653 (0xFFD3E085)
YUV	209.7390, -37.8323, 1.1059
Hunter-Lab	82.9781, -20.9777, 34.9007

# Details

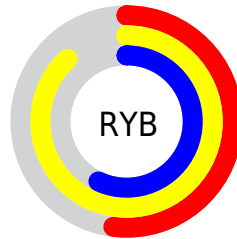
The Yxy color **68.8536, 0.3631, 0.4329** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.2814, 0.2475, 0.2076**, and the grayscale version is **64.5128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **35.9386, 0.3727, 0.4589** is the 20% darker color. If you saturate the color by 10%, you get **67.8331, 0.3737, 0.4571**, and if you desaturate by 10%, it is **70.0218, 0.3512, 0.4072**.

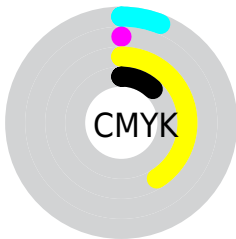
# Distribution



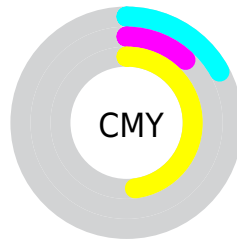
- Red (83%)
- Green (88%)
- Blue (52%)



- Red (52%)
- Yellow (88%)
- Blue (57%)



- Cyan (6%)
- Magenta (0%)
- Yellow (41%)
- Black (12%)




- Cyan (17%)
- Magenta (12%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8536, 0.3631, 0.4329 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 68.8536, 0.3631, 0.4329 by changing the saturation by 10% instead.




 68.8536, 0.3631,  
0.4329


 68.8536, 0.3631,  
0.4329


456.5145, 0.3412,  
0.3835


 50.5925, 0.3675,  
0.4443

 117.5724, 0.3559,  
0.4156

 35.8844, 0.3726,  
0.4582


 148.7990, 0.3530,  
0.4089

 24.3449, 0.3783,  
0.4758


 185.1161, 0.3505,  
0.4032

 15.5897, 0.3845,  
0.4981

226.9082, 0.3482,  
0.3982

 9.2343, 0.3904,  
0.5270

274.5597, 0.3462,  
0.3938

 4.8943, 0.4018,  
0.5771

328.4550, 0.3443,

 2.1854, 0.3858,

0.3900

0.6142

388.9784, 0.3427,  
0.3865

0.7120, 0.2496,  
0.7504

0.0000, 0.0000,  
0.0000

68.8536, 0.3631,  
0.4329

68.8536, 0.3631,  
0.4329

67.8331, 0.3737,  
0.4571

70.0218, 0.3512,  
0.4072

66.9425, 0.3826,  
0.4788

71.3361, 0.3387,  
0.3811


66.1753, 0.3892,  
0.4969


72.8068, 0.3260,  
0.3553

65.5208, 0.3932,  
0.5108


74.4407, 0.3135,  
0.3305

 64.9658, 0.3946,  
0.5201

 76.2440, 0.3014,  
0.3071

 64.5148, 0.3940,  
0.5254

 77.3957, 0.2974,  
0.2974

 77.9318, 0.2996,  
0.2976

 78.4776, 0.3017,  
0.2978

 79.0334, 0.3038,  
0.2980

# Harmonies

## Analogous

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



68.8536, 0.4076, 0.4121



68.8536, 0.3631, 0.4329



68.8536, 0.3074, 0.4209

# Triad

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



68.8536, 0.3631, 0.4329



68.8536, 0.2101, 0.2696



68.8536, 0.3679, 0.2871

# Complementary

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



68.8536, 0.3631, 0.4329



28.2814, 0.2475, 0.2076

# 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.



68.8536, 0.3097, 0.2557



68.8536, 0.3631, 0.4329



68.8536, 0.2226, 0.2438

# Square

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



68.8536, 0.3631, 0.4329



68.8536, 0.2214, 0.3168



68.8536, 0.2573, 0.2401



68.8536, 0.4126, 0.3285



# Rectangle

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



68.8536, 0.3631, 0.4329



68.8536, 0.2717, 0.3932



68.8536, 0.2573, 0.2401



68.8536, 0.3490, 0.2752

# Sweetspot

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



68.8567, 0.3631, 0.4329



97.3623, 0.3279, 0.3590



37.8428, 0.4099, 0.3437



20.7822, 0.3295, 0.3624



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.



68.8567, 0.3631, 0.4329



91.1574, 0.3725, 0.4542



63.1590, 0.3294, 0.4454



15.9250, 0.3245, 0.3523



37.5879, 0.3944, 0.5250



2.6330, 0.3985, 0.5218



# Inverse Universe

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



28.2814, 0.2475, 0.2076



29.4884, 0.2303, 0.1776



33.1966, 0.2862, 0.2197



13.3369, 0.3003, 0.3049



3.3416, 0.1559, 0.0632

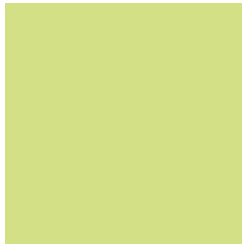


0.2619, 0.1677, 0.0698



# Previews

## White Background



This preview shows how the Yxy color 68.8536, 0.3631, 0.4329 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 68.8536, 0.3631, 0.4329 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 68.8536, 0.3631, 0.4329**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.8536, 0.3631, 0.4329.



This preview shows how white text looks on a background with the Yxy color 68.8536, 0.3631, 0.4329.

# 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

68.8536, 0.3631, 0.4329

### Protanopia

68.5563, 0.3882, 0.4212

### Deuteranopia

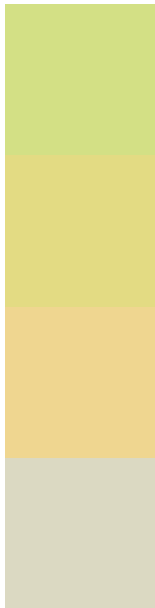
68.6061, 0.3923, 0.3879



## Tritanopia

68.9336, 0.3092, 0.3117

# Trichromacy



## Original Color

68.8536, 0.3631, 0.4329

## Protanomaly

68.6326, 0.3790, 0.4257

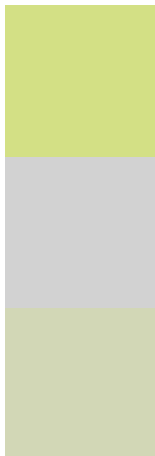
## Deuteranomaly

68.4575, 0.3820, 0.4043

## Tritanomaly

68.5808, 0.3299, 0.3549

# Monochromacy



## Original Color

68.8536, 0.3631, 0.4329

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.6799, 0.3318, 0.3673

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  68.8536, 0.3631, 0.4329 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, 224, 133)` looks like.

```
.text, #text, p{  
    color:rgb(211, 224, 133)  
}
```

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, 224, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 224, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 68.8536, 0.3631, 0.4329 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, 224, 133) }
```

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

```
.border{ border-color:rgb(211, 224, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 224, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 224, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 224, 133);  
box-shadow:4px 4px 4px 4px rgb(211, 224,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.8536, 0.3631, 0.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 224, 133) }
```

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

```
.background{ background-color: rgb(211,  
224, 133) }
```

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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