

# Converting Colors

$Yxy(68.6768, 0.3617, 0.4229)$

Have a look what the booklet for  
Yxy(68.6768, 0.3617, 0.4229)  
contains.

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# Color

**Yxy(68.4321, 0.3618, 0.4225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6DE8C
RGB	214, 222, 140
RGB Percent	84%, 87%, 55%
CMY	0.1605, 0.1295, 0.4509
CMYK	0.04, 0.00, 0.37, 0.13
HSL	66°, 55%, 71%
HSV	66°, 37%, 87%
XYZ	58.6006, 68.4321, 34.9368
YIQ	210.2600, 21.5540, -27.1980

# Conversions

## Conversions Part 2

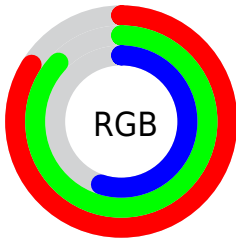
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 222, 148
Decimal	14081676
CIELab	86.22, -15.06, 39.32
CIElCh	86, 42.107, 110.950
Yxy	68.4321, 0.3618, 0.4225
Android (android.graphics.Color)	4292271756 (0xFFD6DE8C)
YUV	210.2600, -34.6382, 3.2800
Hunter-Lab	82.7237, -18.3190, 32.8666

# Details

The Yxy color **68.4321, 0.3618, 0.4225** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.3251, 0.2515, 0.2194**, and the grayscale version is **64.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **35.6111, 0.3718, 0.4461** is the 20% darker color. If you saturate the color by 10%, you get **67.5239, 0.3738, 0.4467**, and if you desaturate by 10%, it is **69.4828, 0.3488, 0.3970**.

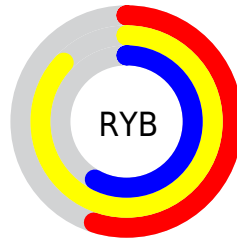
# Distribution



Red (84%)

Green (87%)

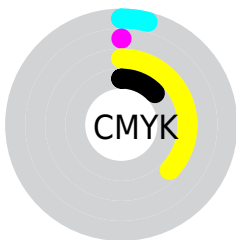
Blue (55%)



Red (55%)

Yellow (87%)

Blue (58%)

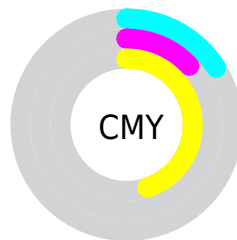


Cyan (4%)

Magenta (0%)

Yellow (37%)

Black (13%)



Cyan (16%)

Magenta (13%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4321, 0.3618, 0.4225 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 68.4321, 0.3618, 0.4225 by changing the saturation by 10% instead.





 68.4321, 0.3618,  
0.4225

 68.4321, 0.3618,  
0.4225


455.0254, 0.3401,  
0.3781


 50.2493, 0.3663,  
0.4327


 116.9701, 0.3546,  
0.4070

 35.6116, 0.3716,  
0.4454


 148.0941, 0.3517,  
0.4009

 24.1343, 0.3778,  
0.4613


 184.3007, 0.3491,  
0.3958

 15.4333, 0.3850,  
0.4817

225.9742, 0.3469,  
0.3913

 9.1241, 0.3926,  
0.5084

273.4990, 0.3449,  
0.3874

 4.8222, 0.4033,  
0.5498

327.2596, 0.3431,

 2.1433, 0.4025,

0.3839

0.5975

387.6402, 0.3415,  
0.3808

0.6888, 0.2942,  
0.7058

0.0000, 0.0000,  
0.0000

68.4321, 0.3618,  
0.4225

68.4321, 0.3618,  
0.4225

67.5239, 0.3738,  
0.4467

69.4828, 0.3488,  
0.3970

66.7410, 0.3842,  
0.4686

70.6741, 0.3353,  
0.3713


66.0776, 0.3925,  
0.4871


72.0159, 0.3219,  
0.3459

65.5237, 0.3983,  
0.5017

73.5145, 0.3087,  
0.3217

 65.0674, 0.4015,  
0.5117

 75.1760, 0.2962,  
0.2988

 64.6936, 0.4023,  
0.5175

 75.7771, 0.2952,  
0.2950

 64.5872, 0.4023,  
0.5188

 76.1282, 0.2967,  
0.2952

 76.4837, 0.2981,  
0.2953

 76.8435, 0.2995,  
0.2955

# Harmonies

## Analogous

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



68.4321, 0.4009, 0.4033



68.4321, 0.3618, 0.4225



68.4321, 0.3114, 0.4129

# Triad

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



68.4321, 0.3618, 0.4225



68.4321, 0.2190, 0.2775



68.4321, 0.3598, 0.2888

# Complementary

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



68.4321, 0.3618, 0.4225



30.3251, 0.2515, 0.2194

# 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.



68.4321, 0.3071, 0.2607



68.4321, 0.3618, 0.4225



68.4321, 0.2291, 0.2523

# Square

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



68.4321, 0.3618, 0.4225



68.4321, 0.2308, 0.3215



68.4321, 0.2600, 0.2473



68.4321, 0.4012, 0.3267



# Rectangle

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



68.4321, 0.3618, 0.4225



68.4321, 0.2785, 0.3893



68.4321, 0.2600, 0.2473



68.4321, 0.3426, 0.2781

# Sweetspot

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



68.4352, 0.3618, 0.4225



97.8125, 0.3274, 0.3564



38.2418, 0.3994, 0.3375



20.8821, 0.3293, 0.3598



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.



68.4352, 0.3618, 0.4225



92.7572, 0.3708, 0.4406



63.1482, 0.3312, 0.4327



15.9587, 0.3252, 0.3523



38.3955, 0.4025, 0.5186



2.6812, 0.4053, 0.5164



# Inverse Universe

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



30.3251, 0.2515, 0.2194



33.6406, 0.2367, 0.1937



34.7047, 0.2856, 0.2291



13.3064, 0.2995, 0.3049



3.2519, 0.1534, 0.0619

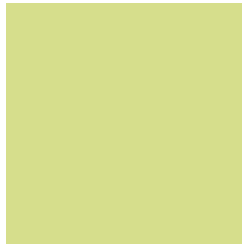


0.2474, 0.1621, 0.0667



# Previews

## White Background



This preview shows how the Yxy color 68.4321, 0.3618, 0.4225 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 68.4321, 0.3618, 0.4225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

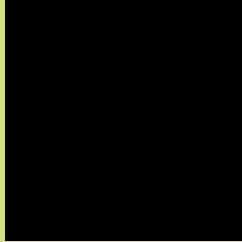
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.4321, 0.3618, 0.4225**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4321, 0.3618, 0.4225.

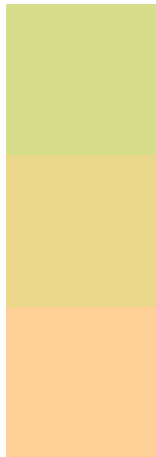


This preview shows how white text looks on a background with the Yxy color 68.4321, 0.3618, 0.4225.

# 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

68.4321, 0.3618, 0.4225

### Protanopia

68.0692, 0.3831, 0.4135

### Deuteranopia

68.1526, 0.3920, 0.3859



## Tritanopia

68.1975, 0.3114, 0.3107

# Trichromacy



**Original Color**

68.4321, 0.3618, 0.4225

**Protanomaly**

68.3087, 0.3748, 0.4174

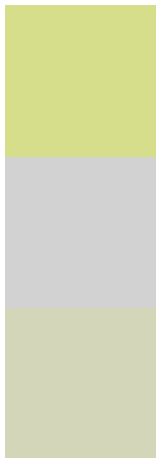
**Deuteranomaly**

67.7504, 0.3808, 0.3979

**Tritanomaly**

67.9586, 0.3303, 0.3503

# Monochromacy



**Original Color**

68.4321, 0.3618, 0.4225

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.4448, 0.3306, 0.3626

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4321, 0.3618, 0.4225 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(214, 222, 140)` looks like.

```
.text, #text, p{  
    color:rgb(214, 222, 140)  
}
```

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(214, 222, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 222, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4321, 0.3618, 0.4225 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(214, 222, 140) }
```

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

```
.border{ border-color:rgb(214, 222, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 222, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 222, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 222, 140);  
box-shadow:4px 4px 4px 4px rgb(214, 222,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4321, 0.3618, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 222, 140) }
```

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

```
.background{ background-color: rgb(214,  
222, 140) }
```

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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