

# Converting Colors

$Yxy(67.9769, 0.3463, 0.3946)$

Have a look what the booklet for  
Yxy(67.9769, 0.3463, 0.3946)  
contains.

<b>Yxy(67.9769, 0.3463, 0.3946)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(67.9769, 0.3463, 0.3946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5DCA3
RGB	213, 220, 163
RGB Percent	84%, 86%, 64%
CMY	0.1645, 0.1373, 0.3607
CMYK	0.03, 0.00, 0.26, 0.14
HSL	67°, 45%, 75%
HSV	67°, 26%, 86%
XYZ	59.6564, 67.9769, 44.6346
YIQ	211.4090, 14.1250, -19.2110

# Conversions

## Conversions Part 2

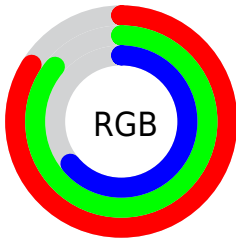
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 220, 170
Decimal	14015651
CIELab	85.99, -11.54, 27.28
CIELCh	86, 29.621, 112.920
Yxy	67.9769, 0.3463, 0.3946
Android (android.graphics.Color)	4292205731 (0xFFD5DCA3)
YUV	211.4090, -23.8656, 1.3953
Hunter-Lab	82.4481, -15.1283, 25.6161

# Details

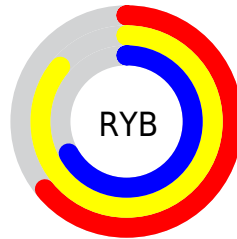
The Yxy color **67.9769, 0.3463, 0.3946** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.9092, 0.2736, 0.2564**, and the grayscale version is **65.5869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **35.3271, 0.3538, 0.4108** is the 20% darker color. If you saturate the color by 10%, you get **66.8610, 0.3589, 0.4204**, and if you desaturate by 10%, it is **69.2427, 0.3333, 0.3687**.

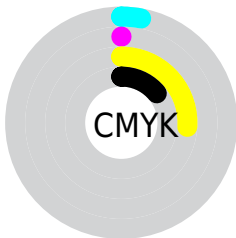
# Distribution



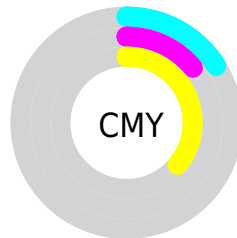
- Red (84%)
- Green (86%)
- Blue (64%)



- Red (64%)
- Yellow (86%)
- Blue (67%)



- Cyan (3%)
- Magenta (0%)
- Yellow (26%)
- Black (14%)




- Cyan (16%)
- Magenta (14%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9769, 0.3463, 0.3946 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 67.9769, 0.3463, 0.3946 by changing the saturation by 10% instead.





 67.9769, 0.3463,  
0.3946


 67.9769, 0.3463,  
0.3946

453.4142, 0.3311,  
0.3633

 49.8789, 0.3496,  
0.4019


 116.3191, 0.3411,  
0.3836

 35.3172, 0.3537,  
0.4111


 147.3321, 0.3391,  
0.3793

 23.9073, 0.3586,  
0.4227

183.4190, 0.3373,  
0.3757

 15.2649, 0.3648,  
0.4381

224.9640, 0.3357,  
0.3726

 9.0055, 0.3725,  
0.4592

272.3517, 0.3344,  
0.3698

 4.7448, 0.3817,  
0.4893

325.9663, 0.3331,

 2.0983, 0.4200,

0.3674

0.5743

386.1923, 0.3321,  
0.3652

0.6637, 0.3448,  
0.6552

0.0000, 0.0000,  
0.0000

67.9769, 0.3463,  
0.3946

67.9769, 0.3463,  
0.3946

66.8610, 0.3589,  
0.4204

69.2427, 0.3333,  
0.3687

65.8787, 0.3706,  
0.4451

70.6559, 0.3202,  
0.3434

65.0253, 0.3807,  
0.4677

72.2257, 0.3076,  
0.3193


64.2922, 0.3888,  
0.4872

73.9579, 0.2955,  
0.2967

 63.6697, 0.3944,  
0.5027

 74.6431, 0.2949,  
0.2929

 63.1465, 0.3975,  
0.5137

 75.0809, 0.2967,  
0.2931

 62.7087, 0.3980,  
0.5204

 75.5256, 0.2985,  
0.2933

 62.5437, 0.3978,  
0.5223

 75.9770, 0.3003,  
0.2935

 76.4354, 0.3021,  
0.2937

# Harmonies

## Analogous

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



67.9769, 0.3743, 0.3841



67.9769, 0.3463, 0.3946



67.9769, 0.3103, 0.3854

# Triad

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



67.9769, 0.3463, 0.3946



67.9769, 0.2448, 0.2917



67.9769, 0.3485, 0.3019

# Complementary

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



67.9769, 0.3463, 0.3946



39.9092, 0.2736, 0.2564

# Split Complementary

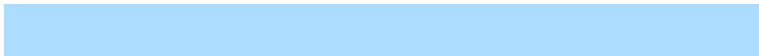
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.9769, 0.3117, 0.2803



67.9769, 0.3463, 0.3946



67.9769, 0.2534, 0.2734

# Square

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



67.9769, 0.3463, 0.3946



67.9769, 0.2528, 0.3224



67.9769, 0.2772, 0.2699



67.9769, 0.3762, 0.3304



# Rectangle

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



67.9769, 0.3463, 0.3946



67.9769, 0.2869, 0.3685



67.9769, 0.2772, 0.2699



67.9769, 0.3366, 0.2937

# Sweetspot

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



67.9799, 0.3463, 0.3946



98.2867, 0.3230, 0.3488



46.4832, 0.3658, 0.3371



20.9718, 0.3250, 0.3526



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

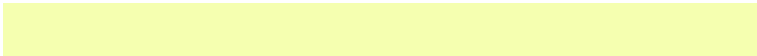


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.9799, 0.3463, 0.3946



94.1316, 0.3531, 0.4085



64.1230, 0.3249, 0.3993



15.1792, 0.3248, 0.3522



36.7427, 0.3981, 0.5221



2.4035, 0.4018, 0.5192



# Inverse Universe

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



39.9092, 0.2736, 0.2564



48.6377, 0.2639, 0.2390



43.3940, 0.2969, 0.2611



12.6928, 0.3000, 0.3050



3.1934, 0.1547, 0.0626



0.2326, 0.1659, 0.0687



# Previews

## White Background



This preview shows how the Yxy color 67.9769, 0.3463, 0.3946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

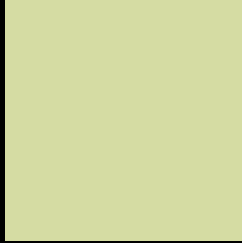
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9769, 0.3463, 0.3946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

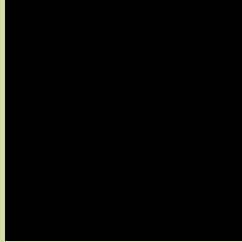
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

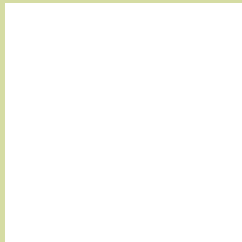
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.9769, 0.3463, 0.3946**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9769, 0.3463, 0.3946.

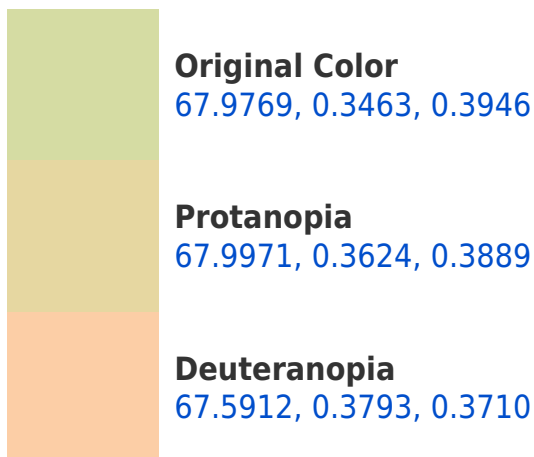


This preview shows how white text looks on a background with the Yxy color 67.9769, 0.3463, 0.3946.

# 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

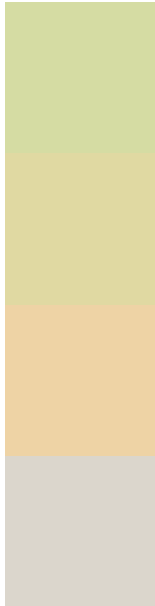




## Tritanopia

67.7196, 0.3092, 0.3106

# Trichromacy



**Original Color**

67.9769, 0.3463, 0.3946

**Protanomaly**

68.0816, 0.3563, 0.3908

**Deuteranomaly**

67.4823, 0.3671, 0.3791

**Tritanomaly**

67.5128, 0.3233, 0.3402

# Monochromacy



**Original Color**

67.9769, 0.3463, 0.3946

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

65.9852, 0.3250, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9769, 0.3463, 0.3946 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(213, 220, 163)` looks like.

```
.text, #text, p{  
    color:rgb(213, 220, 163)  
}
```

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(213, 220, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 220, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9769, 0.3463, 0.3946 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(213, 220, 163) }
```

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

```
.border{ border-color:rgb(213, 220, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 220, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 220, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 220, 163); box-shadow:4px 4px 4px 4px rgb(213, 220, 163) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9769, 0.3463, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 220, 163) }
```

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

```
.background{ background-color: rgb(213,  
220, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor