

# Converting Colors

Yxy(69.5483, 0.3444, 0.3864)

Have a look what the booklet for  
Yxy(69.5483, 0.3444, 0.3864)  
contains.

<b>Yxy(69.5586, 0.3444, 0.3857)</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(69.5586, 0.3444, 0.3857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADDAB
RGB	218, 221, 171
RGB Percent	85%, 87%, 67%
CMY	0.1453, 0.1333, 0.3295
CMYK	0.01, 0.00, 0.23, 0.13
HSL	64°, 42%, 77%
HSV	64°, 23%, 87%
XYZ	62.1104, 69.5586, 48.6748
YIQ	214.4030, 14.2620, -16.1860

# Conversions

## Conversions Part 2

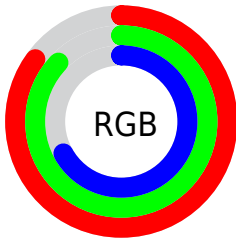
Format	Color
<b>RYB</b>	171, 221, 174
Decimal	14343595
CIELab	86.78, -9.13, 24.28
CIELCh	87, 25.941, 110.602
Yxy	69.5586, 0.3444, 0.3857
Android (android.graphics.Color)	4292533675 (0xFFDADDAB)
YUV	214.4030, -21.3977, 3.1546
Hunter-Lab	83.4018, -13.0219, 23.7785

# Details

The Yxy color **69.5586, 0.3444, 0.3857** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.3480, 0.2768, 0.2662**, and the grayscale version is **67.6680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **36.3670, 0.3523, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **68.5806, 0.3583, 0.4111**, and if you desaturate by 10%, it is **70.6854, 0.3303, 0.3602**.

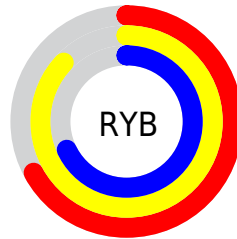
# Distribution



Red (85%)

Green (87%)

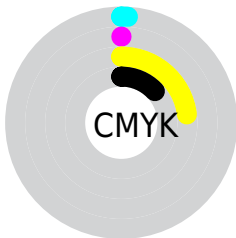
Blue (67%)



Red (67%)

Yellow (87%)

Blue (68%)

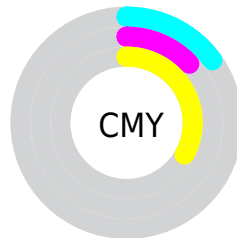


Cyan (1%)

Magenta (0%)

Yellow (23%)

Black (13%)



Cyan (15%)

Magenta (13%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5586, 0.3444, 0.3857 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 69.5586, 0.3444, 0.3857 by changing the saturation by 10% instead.




 69.5586, 0.3444,  
0.3857

 69.5586, 0.3444,  
0.3857

458.9986, 0.3300,  
0.3588

 51.1668, 0.3476,  
0.3920


 118.5791, 0.3395,  
0.3763

 36.3413, 0.3515,  
0.3997


149.9765, 0.3375,  
0.3726

 24.6979, 0.3564,  
0.4097


186.4779, 0.3358,  
0.3695

 15.8522, 0.3625,  
0.4227

228.4677, 0.3344,  
0.3668

 9.4196, 0.3704,  
0.4406

276.3303, 0.3331,  
0.3645

 5.0159, 0.3805,  
0.4662

330.4501, 0.3319,

 2.2566, 0.4048,

0.3624

0.5203

391.2114, 0.3309,  
0.3605

0.7506, 0.3953,  
0.6047

0.0000, 0.0000,  
0.0000

69.5586, 0.3444,  
0.3857

69.5586, 0.3444,  
0.3857

68.5806, 0.3583,  
0.4111

70.6854, 0.3303,  
0.3602

67.7352, 0.3714,  
0.4355

71.9582, 0.3163,  
0.3354

67.0178, 0.3833,  
0.4579

73.3863, 0.3029,  
0.3117

66.4200, 0.3932,  
0.4772

74.6889, 0.2929,  
0.2938

65.9325, 0.4007,  
0.4928

74.9050, 0.2937,  
0.2939

65.5444, 0.4057,  
0.5041

75.1228, 0.2946,  
0.2940

65.2429, 0.4081,  
0.5109

75.3423, 0.2955,  
0.2940

65.0603, 0.4086,  
0.5138

75.5635, 0.2964,  
0.2941

75.7864, 0.2973,  
0.2942

# Harmonies

## Analogous

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



69.5586, 0.3677, 0.3760



69.5586, 0.3444, 0.3857



69.5586, 0.3133, 0.3788

# Triad

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



69.5586, 0.3444, 0.3857



69.5586, 0.2532, 0.2985



69.5586, 0.3415, 0.3036

# Complementary

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



69.5586, 0.3444, 0.3857



43.3480, 0.2768, 0.2662

# Split Complementary

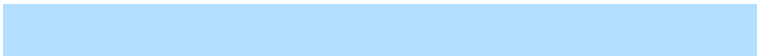
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.5586, 0.3095, 0.2852



69.5586, 0.3444, 0.3857



69.5586, 0.2597, 0.2813

# Square

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



69.5586, 0.3444, 0.3857



69.5586, 0.2616, 0.3259



69.5586, 0.2798, 0.2769



69.5586, 0.3664, 0.3285



# Rectangle

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



69.5586, 0.3444, 0.3857



69.5586, 0.2926, 0.3651



69.5586, 0.2798, 0.2769



69.5586, 0.3312, 0.2965

# Sweetspot

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



69.5617, 0.3444, 0.3857



98.6967, 0.3224, 0.3462



48.3910, 0.3583, 0.3321



21.1022, 0.3233, 0.3478



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.



69.5617, 0.3444, 0.3857



95.5416, 0.3508, 0.3974



66.0663, 0.3259, 0.3892



15.2212, 0.3257, 0.3522



37.8056, 0.4087, 0.5137



2.4618, 0.4106, 0.5122



# Inverse Universe

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



43.3480, 0.2768, 0.2662



53.3948, 0.2684, 0.2515



46.4182, 0.2965, 0.2696



12.6550, 0.2990, 0.3049



3.1011, 0.1520, 0.0611

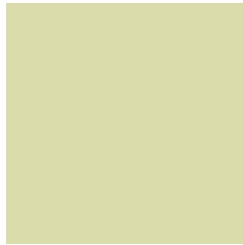


0.2146, 0.1581, 0.0645



# Previews

## White Background



This preview shows how the Yxy color 69.5586, 0.3444, 0.3857 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 69.5586, 0.3444, 0.3857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

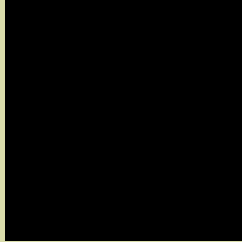
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

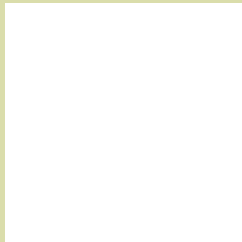
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.5586, 0.3444, 0.3857**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5586, 0.3444, 0.3857.



This preview shows how white text looks on a background with the Yxy color 69.5586, 0.3444, 0.3857.

# 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

69.5586, 0.3444, 0.3857

### Protanopia

69.4792, 0.3569, 0.3819

### Deuteranopia

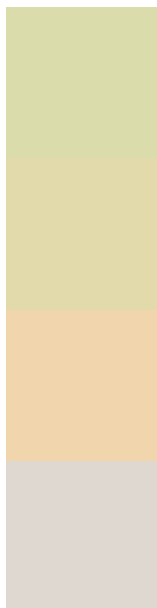
69.5396, 0.3730, 0.3656



## Tritanopia

69.4704, 0.3107, 0.3108

# Trichromacy



## Original Color

69.5586, 0.3444, 0.3857

## Protanomaly

69.2138, 0.3520, 0.3825

## Deuteranomaly

69.1309, 0.3622, 0.3722

## Tritanomaly

69.4032, 0.3226, 0.3367

# Monochromacy



## Original Color

69.5586, 0.3444, 0.3857

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

68.1500, 0.3242, 0.3505

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5586, 0.3444, 0.3857 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(218, 221, 171)` looks like.

```
.text, #text, p{  
    color:rgb(218, 221, 171)  
}
```

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(218, 221, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 221, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5586, 0.3444, 0.3857 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(218, 221, 171) }
```

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

```
.border{ border-color:rgb(218, 221, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 221, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 221, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 221, 171);  
box-shadow:4px 4px 4px 4px rgb(218, 221,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5586, 0.3444, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 221, 171) }
```

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

```
.background{ background-color: rgb(218,  
221, 171) }
```

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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