

# Converting Colors

$Yxy(69.5957, 0.3398, 0.3750)$

Have a look what the booklet for  
Yxy(69.5957, 0.3398, 0.3750)  
contains.

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# Color

**Yxy(69.5011, 0.3399, 0.3753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDCB3
RGB	219, 220, 179
RGB Percent	86%, 86%, 70%
CMY	0.1411, 0.1372, 0.2981
CMYK	0.00, 0.00, 0.19, 0.14
HSL	61°, 37%, 78%
HSV	61°, 19%, 86%
XYZ	62.9454, 69.5011, 52.7416
YIQ	215.0270, 12.5650, -12.9630

# Conversions

## Conversions Part 2

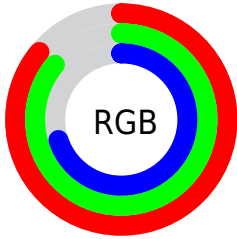
Format	Color
R <sub>Y</sub> B	179, 220, 180
Decimal	14408883
CIE Lab	86.75, -7.07, 20.09
CIE LCh	87, 21.295, 109.390
Yxy	69.5011, 0.3399, 0.3753
Android (android.graphics.Color)	4292598963 (0xFFDBDCB3)
YUV	215.0270, -17.7613, 3.4843
Hunter-Lab	83.3673, -11.1186, 20.8478

# Details

The Yxy color **69.5011, 0.3399, 0.3753** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.1070, 0.2828, 0.2783**, and the grayscale version is **68.0930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **36.3091, 0.3465, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **68.6016, 0.3546, 0.4005**, and if you desaturate by 10%, it is **70.5490, 0.3252, 0.3502**.

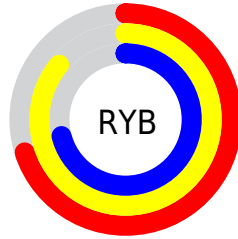
# Distribution



Red (86%)

Green (86%)

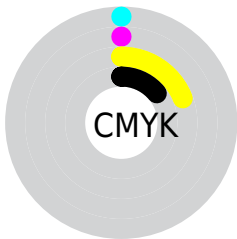
Blue (70%)



Red (70%)

Yellow (86%)

Blue (71%)

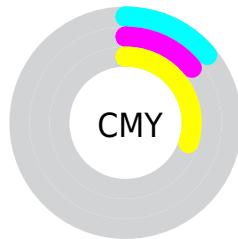


Cyan (0%)

Magenta (0%)

Yellow (19%)

Black (14%)



Cyan (14%)

Magenta (14%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5011, 0.3399, 0.3753 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 69.5011, 0.3399, 0.3753 by changing the saturation by 10% instead.



 69.5011, 0.3399,  
0.3753

 69.5011, 0.3399,  
0.3753


458.7963, 0.3274,  
0.3534

 51.1199, 0.3427,  
0.3804


 118.4970, 0.3356,  
0.3676

 36.3040, 0.3462,  
0.3867


149.8805, 0.3339,  
0.3647

 24.6691, 0.3505,  
0.3948


186.3669, 0.3325,  
0.3621

 15.8307, 0.3560,  
0.4055

228.3407, 0.3312,  
0.3599

 9.4044, 0.3633,  
0.4203

276.1861, 0.3301,  
0.3580

 5.0059, 0.3733,  
0.4416

330.2875, 0.3291,

 2.2507, 0.3902,

0.3563

0.4790

391.0295, 0.3282,  
0.3548

0.7474, 0.4185,  
0.5815

0.0000, 0.0000,  
0.0000

69.5011, 0.3399,  
0.3753

69.5011, 0.3399,  
0.3753

68.6016, 0.3546,  
0.4005

70.5490, 0.3252,  
0.3502

67.8346, 0.3688,  
0.4250

71.7424, 0.3108,  
0.3257

67.1960, 0.3819,  
0.4477

73.0902, 0.2971,  
0.3026

66.6776, 0.3933,  
0.4677

73.8012, 0.2914,  
0.2925

66.2708, 0.4025,  
0.4842

73.8848, 0.2917,  
0.2926

65.9655, 0.4092,  
0.4964

73.9686, 0.2921,  
0.2926

65.7498, 0.4132,  
0.5042

74.0526, 0.2924,  
0.2926

65.6059, 0.4149,  
0.5082

74.1369, 0.2928,  
0.2927

65.5884, 0.4151,  
0.5086

74.2215, 0.2931,  
0.2927

# Harmonies

## Analogous

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



69.5011, 0.3585, 0.3673



69.5011, 0.3399, 0.3753



69.5011, 0.3145, 0.3700

# Triad

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



69.5011, 0.3399, 0.3753



69.5011, 0.2635, 0.3050



69.5011, 0.3354, 0.3073

# Complementary

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



69.5011, 0.3399, 0.3753



47.1070, 0.2828, 0.2783

# Split Complementary

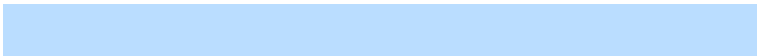
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.5011, 0.3092, 0.2921



69.5011, 0.3399, 0.3753



69.5011, 0.2684, 0.2901

# Square

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



69.5011, 0.3399, 0.3753



69.5011, 0.2710, 0.3277



69.5011, 0.2848, 0.2858



69.5011, 0.3561, 0.3279



# Rectangle

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



69.5011, 0.3399, 0.3753



69.5011, 0.2973, 0.3592



69.5011, 0.2848, 0.2858



69.5011, 0.3269, 0.3014

# Sweetspot

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



69.5042, 0.3399, 0.3753



98.9835, 0.3214, 0.3437



50.9833, 0.3488, 0.3299



21.1639, 0.3223, 0.3454



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.



69.5042, 0.3399, 0.3753



96.6430, 0.3451, 0.3843



66.5590, 0.3247, 0.3776



15.2470, 0.3263, 0.3521



38.4997, 0.4152, 0.5086



2.4994, 0.4159, 0.5080



# Inverse Universe

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



47.1070, 0.2828, 0.2783



60.3352, 0.2763, 0.2674



49.7100, 0.2987, 0.2806



12.6321, 0.2985, 0.3048



3.0596, 0.1508, 0.0604

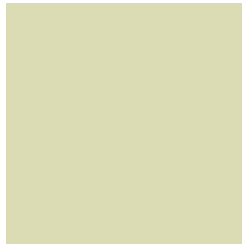


0.2036, 0.1532, 0.0618



# Previews

## White Background



This preview shows how the Yxy color 69.5011, 0.3399, 0.3753 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 69.5011, 0.3399, 0.3753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

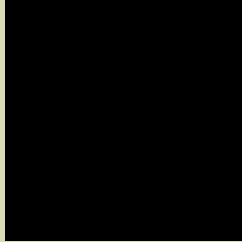
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

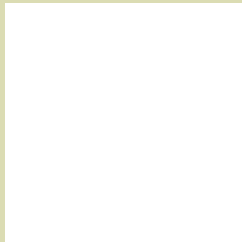
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.5011, 0.3399, 0.3753**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5011, 0.3399, 0.3753.



This preview shows how white text looks on a background with the Yxy color 69.5011, 0.3399, 0.3753.

# 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

69.5011, 0.3399, 0.3753

### Protanopia

69.6230, 0.3504, 0.3731

### Deuteranopia

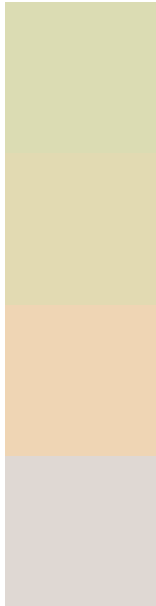
69.4464, 0.3661, 0.3584



## Tritanopia

69.4704, 0.3107, 0.3108

# Trichromacy



## Original Color

69.5011, 0.3399, 0.3753

## Protanomaly

69.5259, 0.3464, 0.3735

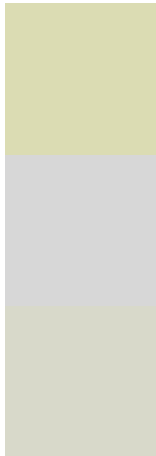
## Deuteranomaly

69.2345, 0.3562, 0.3647

## Tritanomaly

69.5029, 0.3212, 0.3345

# Monochromacy



## Original Color

69.5011, 0.3399, 0.3753

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.4889, 0.3222, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5011, 0.3399, 0.3753 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(219, 220, 179)` looks like.

```
.text, #text, p{  
    color:rgb(219, 220, 179)  
}
```

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(219, 220, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 220, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5011, 0.3399, 0.3753 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(219, 220, 179) }
```

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

```
.border{ border-color:rgb(219, 220, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 220, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 220, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 220, 179);  
box-shadow:4px 4px 4px 4px rgb(219, 220,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5011, 0.3399, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 220, 179) }
```

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

```
.background{ background-color: rgb(219,  
220, 179) }
```

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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