

# Converting Colors

$Yxy(68.2644, 0.3389, 0.3718)$

Have a look what the booklet for  
Yxy(68.2644, 0.3389, 0.3718)  
contains.

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# Color

**Yxy(68.3435, 0.3388, 0.3721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADAB4
RGB	218, 218, 180
RGB Percent	85%, 85%, 71%
CMY	0.1450, 0.1451, 0.2941
CMYK	0.00, 0.00, 0.17, 0.15
HSL	60°, 34%, 78%
HSV	60°, 17%, 85%
XYZ	62.2273, 68.3435, 53.0989
YIQ	213.6680, 12.1980, -11.8180

# Conversions

## Conversions Part 2

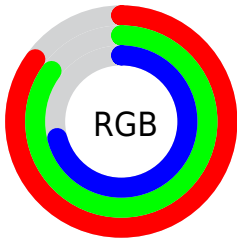
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 218, 180
Decimal	14342836
CIELab	86.18, -6.26, 18.74
CIELCh	86, 19.763, 108.470
Yxy	68.3435, 0.3388, 0.3721
Android (android.graphics.Color)	4292532916 (0xFFDADAB4)
YUV	213.6680, -16.5983, 3.7992
Hunter-Lab	82.6701, -10.3125, 19.7872

# Details

The Yxy color **68.3435, 0.3388, 0.3721** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.4224, 0.2842, 0.2819**, and the grayscale version is **67.1214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **35.5132, 0.3452, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **67.5222, 0.3540, 0.3972**, and if you desaturate by 10%, it is **69.3106, 0.3237, 0.3471**.

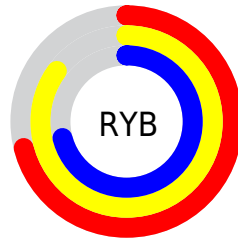
# Distribution



Red (85%)

Green (85%)

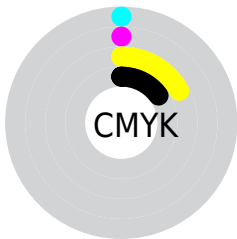
Blue (71%)



Red (71%)

Yellow (85%)

Blue (71%)

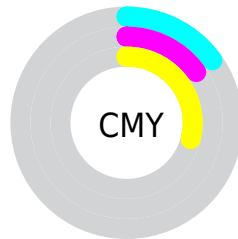


Cyan (0%)

Magenta (0%)

Yellow (17%)

Black (15%)



Cyan (15%)

Magenta (15%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3435, 0.3388, 0.3721 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 68.3435, 0.3388, 0.3721 by changing the saturation by 10% instead.



 68.3435, 0.3388,  
0.3721

 68.3435, 0.3388,  
0.3721


454.7121, 0.3268,  
0.3517

 50.1772, 0.3415,  
0.3769


 116.8434, 0.3346,  
0.3649

 35.5542, 0.3449,  
0.3828


147.9458, 0.3330,  
0.3622

 24.0901, 0.3491,  
0.3904


184.1291, 0.3316,  
0.3598

 15.4005, 0.3546,  
0.4005

225.7777, 0.3304,  
0.3577

 9.1009, 0.3618,  
0.4143

273.2758, 0.3293,  
0.3560

 4.8071, 0.3719,  
0.4346

327.0080, 0.3284,

 2.1345, 0.3890,

0.3544

0.4701

387.3586, 0.3275,  
0.3530

0.6839, 0.4210,  
0.5790

0.0000, 0.0000,  
0.0000

68.3435, 0.3388,  
0.3721

68.3435, 0.3388,  
0.3721

67.5222, 0.3540,  
0.3972

69.3106, 0.3237,  
0.3471

66.8311, 0.3687,  
0.4215


70.4205, 0.3090,  
0.3229

66.2663, 0.3824,  
0.4441

71.6821, 0.2951,  
0.2998

65.8200, 0.3945,  
0.4641

72.2882, 0.2892,  
0.2902


 65.4837, 0.4044,  
0.4804

 72.2926, 0.2892,  
0.2902


 65.2477, 0.4118,  
0.4927


 72.2970, 0.2892,  
0.2902


 65.1008, 0.4166,  
0.5006

 72.3014, 0.2892,  
0.2902

 65.0277, 0.4190,  
0.5045

 72.3058, 0.2892,  
0.2902

 65.0143, 0.4194,  
0.5052

 72.3102, 0.2892,  
0.2902

# Harmonies

## Analogous

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



68.3435, 0.3558, 0.3644



68.3435, 0.3388, 0.3721



68.3435, 0.3152, 0.3675

# Triad

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



68.3435, 0.3388, 0.3721



68.3435, 0.2667, 0.3072



68.3435, 0.3332, 0.3082

# Complementary

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



68.3435, 0.3388, 0.3721



47.4224, 0.2842, 0.2819

# Split Complementary

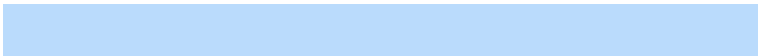
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.3435, 0.3087, 0.2941



68.3435, 0.3388, 0.3721



68.3435, 0.2710, 0.2929

# Square

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



68.3435, 0.3388, 0.3721



68.3435, 0.2741, 0.3286



68.3435, 0.2861, 0.2885



68.3435, 0.3527, 0.3275



# Rectangle

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



68.3435, 0.3388, 0.3721



68.3435, 0.2991, 0.3576



68.3435, 0.2861, 0.2885



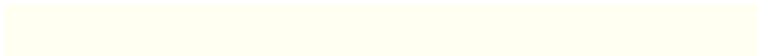
68.3435, 0.3253, 0.3027

# Sweetspot

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



68.3465, 0.3388, 0.3721



99.2027, 0.3201, 0.3412



50.8781, 0.3456, 0.3284



21.2104, 0.3212, 0.3430



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.



68.3465, 0.3388, 0.3721



97.0050, 0.3445, 0.3816



65.6774, 0.3249, 0.3741



15.2630, 0.3267, 0.3521



38.9447, 0.4194, 0.5052



2.5233, 0.4194, 0.5052



# Inverse Universe

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



47.4224, 0.2842, 0.2819



61.6931, 0.2773, 0.2704



49.7690, 0.2987, 0.2839



12.6180, 0.2981, 0.3048



3.0341, 0.1500, 0.0600

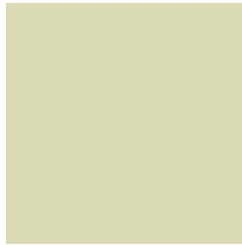


0.1969, 0.1500, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 68.3435, 0.3388, 0.3721 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 68.3435, 0.3388, 0.3721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

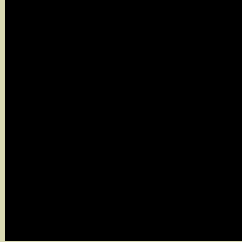
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

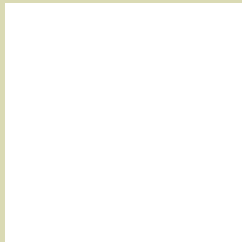
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.3435, 0.3388, 0.3721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.3435, 0.3388, 0.3721.



This preview shows how white text looks on a background with the Yxy color 68.3435, 0.3388, 0.3721.

# 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

68.3435, 0.3388, 0.3721

### Protanopia

68.3495, 0.3479, 0.3690

### Deuteranopia

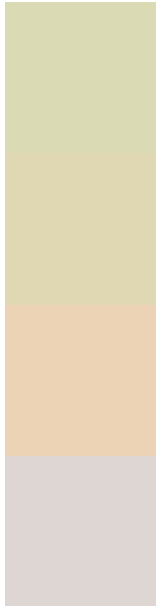
67.9595, 0.3634, 0.3555



## Tritanopia

68.1975, 0.3114, 0.3107

# Trichromacy



## Original Color

68.3435, 0.3388, 0.3721

## Protanomaly

68.2137, 0.3445, 0.3705

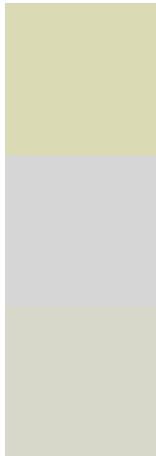
## Deuteranomaly

67.9293, 0.3544, 0.3617

## Tritanomaly

68.3259, 0.3207, 0.3323

# Monochromacy



## Original Color

68.3435, 0.3388, 0.3721

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.3122, 0.3216, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3435, 0.3388, 0.3721 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, 218, 180)` looks like.

```
.text, #text, p{  
    color:rgb(218, 218, 180)  
}
```

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, 218, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 218, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3435, 0.3388, 0.3721 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, 218, 180) }
```

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

```
.border{ border-color:rgb(218, 218, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 218, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 218, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 218, 180);  
box-shadow:4px 4px 4px 4px rgb(218, 218,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3435, 0.3388, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 218, 180) }
```

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

```
.background{ background-color: rgb(218,  
218, 180) }
```

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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