

# Converting Colors

$Yxy(73.2804, 0.3372, 0.3802)$

Have a look what the booklet for  
Yxy(73.2804, 0.3372, 0.3802)  
contains.

<b>Yxy(73.3344, 0.3373, 0.3804)</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(73.3344, 0.3373, 0.3804)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBE3B5
RGB	219, 227, 181
RGB Percent	86%, 89%, 71%
CMY	0.1411, 0.1098, 0.2903
CMYK	0.04, 0.00, 0.20, 0.11
HSL	70°, 45%, 80%
HSV	70°, 20%, 89%
XYZ	65.0255, 73.3344, 54.4225
YIQ	219.3640, 9.9980, -16.0020

# Conversions

## Conversions Part 2

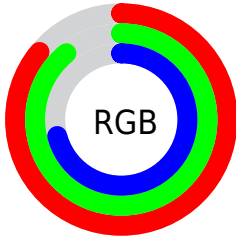
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 227, 189
Decimal	14410677
CIELab	88.61, -10.32, 21.64
CIELCh	89, 23.970, 115.498
Yxy	73.3344, 0.3373, 0.3804
Android (android.graphics.Color)	4292600757 (0xFFD8E3B5)
YUV	219.3640, -18.9135, -0.3192
Hunter-Lab	85.6355, -14.3220, 22.2653

# Details

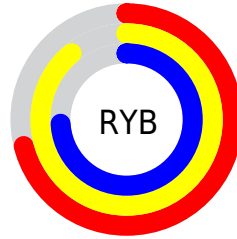
The Yxy color **73.3344, 0.3373, 0.3804** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.3893, 0.2849, 0.2740**, and the grayscale version is **71.2355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **38.9561, 0.3428, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **71.8778, 0.3493, 0.4068**, and if you desaturate by 10%, it is **74.9636, 0.3251, 0.3545**.

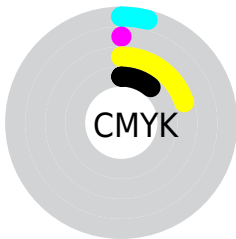
# Distribution



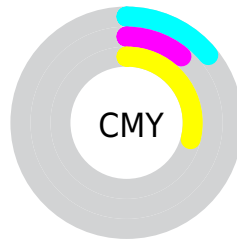
- Red (86%)
- Green (89%)
- Blue (71%)



- Red (71%)
- Yellow (89%)
- Blue (74%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3344, 0.3373, 0.3804 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 73.3344, 0.3373, 0.3804 by changing the saturation by 10% instead.





 73.3344, 0.3373,  
0.3804

 73.3344, 0.3373,  
0.3804


472.1730, 0.3262,  
0.3562

 54.2494, 0.3397,  
0.3860


 123.9518, 0.3335,  
0.3719

 38.8011, 0.3427,  
0.3930


156.2531, 0.3320,  
0.3687

 26.6050, 0.3463,  
0.4018


193.7285, 0.3308,  
0.3659

 17.2768, 0.3509,  
0.4135

236.7626, 0.3296,  
0.3634

 10.4321, 0.3568,  
0.4295

285.7397, 0.3286,  
0.3613

 5.6864, 0.3645,  
0.4526

341.0442, 0.3277,

 2.6553, 0.3755,

0.3594

0.4898

403.0605, 0.3269,  
0.3577

0.9546, 0.4065,  
0.5935

0.0000, 0.0000,  
0.0000

73.3344, 0.3373,  
0.3804

73.3344, 0.3373,  
0.3804

71.8778, 0.3493,  
0.4068

74.9636, 0.3251,  
0.3545

70.5768, 0.3606,  
0.4329


76.7628, 0.3130,  
0.3297

69.4266, 0.3708,  
0.4577

78.7417, 0.3015,  
0.3064

68.4182, 0.3791,  
0.4801


79.7792, 0.3004,  
0.3007

 67.5419, 0.3852,  
0.4990

 80.4550, 0.3030,  
0.3010


 66.7865, 0.3888,  
0.5136


 81.1457, 0.3057,  
0.3012

 66.1386, 0.3898,  
0.5237

 81.8514, 0.3083,  
0.3014

 65.5897, 0.3886,  
0.5296

 82.5721, 0.3109,  
0.3016

 83.3080, 0.3136,  
0.3019

# Harmonies

## Analogous

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



73.3344, 0.3600, 0.3741



73.3344, 0.3373, 0.3804



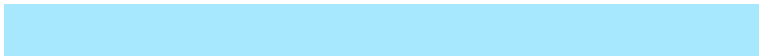
73.3344, 0.3087, 0.3715

# Triad

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



73.3344, 0.3373, 0.3804



73.3344, 0.2585, 0.2981



73.3344, 0.3433, 0.3093

# Complementary

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



73.3344, 0.3373, 0.3804



49.3893, 0.2849, 0.2740

# Split Complementary

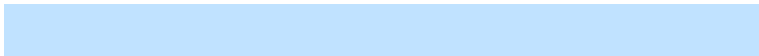
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3344, 0.3147, 0.2912



73.3344, 0.3373, 0.3804



73.3344, 0.2666, 0.2841

# Square

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



73.3344, 0.3373, 0.3804



73.3344, 0.2640, 0.3219



73.3344, 0.2868, 0.2819



73.3344, 0.3639, 0.3326



# Rectangle

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



73.3344, 0.3373, 0.3804



73.3344, 0.2902, 0.3578



73.3344, 0.2868, 0.2819



73.3344, 0.3342, 0.3025

# Sweetspot

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



73.3376, 0.3373, 0.3804



98.5543, 0.3199, 0.3438



55.9043, 0.3513, 0.3379



21.0621, 0.3207, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

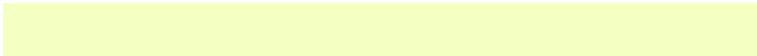


# Same Dimension

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



73.3376, 0.3373, 0.3804



94.7106, 0.3420, 0.3906



70.0506, 0.3208, 0.3832



16.6843, 0.3241, 0.3524



38.2970, 0.3891, 0.5292



2.8634, 0.3938, 0.5255



# Inverse Universe

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



49.3893, 0.2849, 0.2740



58.6087, 0.2787, 0.2622



52.5243, 0.3027, 0.2768



14.0065, 0.3007, 0.3049



3.5245, 0.1579, 0.0643

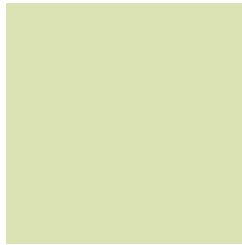


0.2960, 0.1704, 0.0712



# Previews

## White Background



This preview shows how the Yxy color 73.3344, 0.3373, 0.3804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

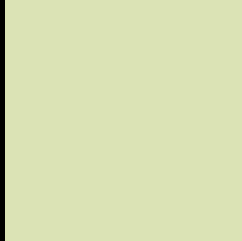
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.3344, 0.3373, 0.3804 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

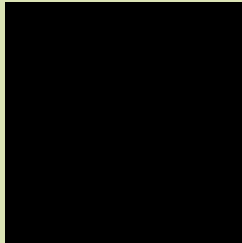
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

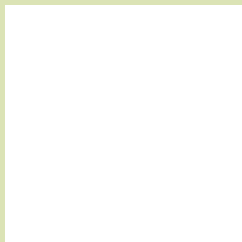
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.3344, 0.3373, 0.3804**

## Background



This preview shows how black text looks on a background with the Yxy color 73.3344, 0.3373, 0.3804.

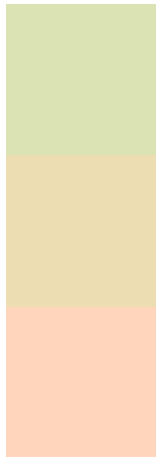


This preview shows how white text looks on a background with the Yxy color 73.3344, 0.3373, 0.3804.

# 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

73.3344, 0.3373, 0.3804

### Protanopia

73.2898, 0.3531, 0.3765

### Deuteranopia

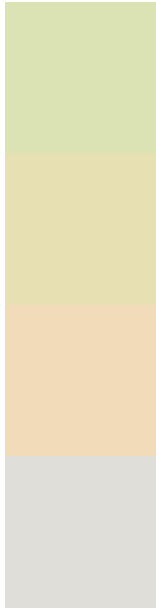
72.9410, 0.3633, 0.3569



## Tritanopia

73.1084, 0.3066, 0.3100

# Trichromacy



## Original Color

73.3344, 0.3373, 0.3804

## Protanomaly

73.3890, 0.3474, 0.3781

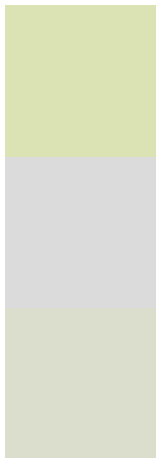
## Deuteranomaly

73.0431, 0.3535, 0.3652

## Tritanomaly

73.0996, 0.3174, 0.3344

# Monochromacy



## Original Color

73.3344, 0.3373, 0.3804

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.7104, 0.3218, 0.3478

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3344, 0.3373, 0.3804 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, 227, 181)` looks like.

```
.text, #text, p{  
    color:rgb(219, 227, 181)  
}
```

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, 227, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 227, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3344, 0.3373, 0.3804 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, 227, 181) }
```

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

```
.border{ border-color:rgb(219, 227, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 227, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 227, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 227, 181); box-shadow:4px 4px 4px 4px rgb(219, 227, 181) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3344, 0.3373, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 227, 181) }
```

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

```
.background{ background-color: rgb(219,  
227, 181) }
```

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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