

# Converting Colors

$Y_{xy}(81.7778, 0.3388, 0.3740)$

Have a look what the booklet for  
Yxy(81.7778, 0.3388, 0.3740)  
contains.

<b>Yxy(81.5481, 0.3388, 0.3734)</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(81.5481, 0.3388, 0.3734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBECC2
RGB	235, 236, 194
RGB Percent	92%, 93%, 76%
CMY	0.0784, 0.0745, 0.2394
CMYK	0.00, 0.00, 0.18, 0.07
HSL	61°, 53%, 84%
HSV	61°, 18%, 93%
XYZ	73.9917, 81.5481, 62.8536
YIQ	230.9130, 12.8860, -13.2740

# Conversions

## Conversions Part 2

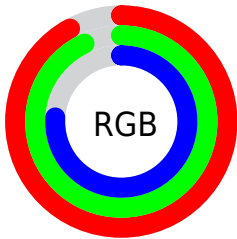
Format	Color
<a href="#">RYB</a>	<a href="#">194, 236, 195</a>
Decimal	<a href="#">15461570</a>
CIELab	<a href="#">92.38, -7.18, 20.33</a>
CIELCh	<a href="#">92, 21.555, 109.445</a>
Yxy	<a href="#">81.5481, 0.3388, 0.3734</a>
Android (android.graphics.Color)	<a href="#">4293651650 (0xFFEBECC2)</a>
YUV	<a href="#">230.9130, -18.1981, 3.5843</a>
Hunter-Lab	<a href="#">90.3040, -11.7758, 21.9456</a>

# Details

The Yxy color **81.5481, 0.3388, 0.3734** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.2179, 0.2841, 0.2806**, and the grayscale version is **79.9744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **44.1197, 0.3447, 0.3836** is the 20% darker color. If you saturate the color by 10%, you get **80.4790, 0.3536, 0.3988**, and if you desaturate by 10%, it is **82.7931, 0.3240, 0.3482**.

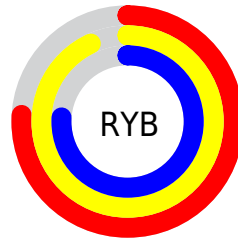
# Distribution



Red (92%)

Green (93%)

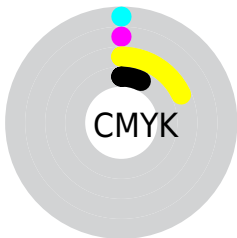
Blue (76%)



Red (76%)

Yellow (93%)

Blue (76%)

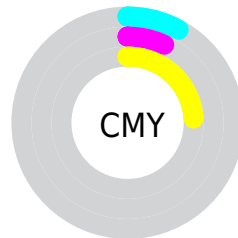


Cyan (0%)

Magenta (0%)

Yellow (18%)

Black (7%)



Cyan (8%)

Magenta (7%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5481, 0.3388, 0.3734 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 81.5481, 0.3388, 0.3734 by changing the saturation by 10% instead.



81.5481, 0.3388,  
0.3734

81.5481, 0.3388,  
0.3734

500.1348, 0.3272,  
0.3530

60.9931, 0.3414,  
0.3780

135.5401, 0.3348,  
0.3664

44.2196, 0.3444,  
0.3837

169.7459, 0.3333,  
0.3636

30.8432, 0.3483,  
0.3908

209.2708, 0.3319,  
0.3612

20.4795, 0.3531,  
0.4000

254.4991, 0.3307,  
0.3592

12.7441, 0.3594,  
0.4124

305.8153, 0.3297,  
0.3574

7.2525, 0.3678,  
0.4298

363.6037, 0.3287,

3.6205, 0.3792,

0.3557

428.2488, 0.3279,  
0.3543

0.4558

1.4636, 0.4306,  
0.5432

0.2629, 0.2213,  
0.7787

81.5481, 0.3388,  
0.3734

81.5481, 0.3388,  
0.3734

80.4790, 0.3536,  
0.3988

82.7931, 0.3240,  
0.3482

79.5670, 0.3679,  
0.4234


84.2106, 0.3096,  
0.3238


78.8073, 0.3811,  
0.4464


85.1665, 0.3017,  
0.3100

78.1903, 0.3927,  
0.4666

85.2631, 0.3020,  
0.3100

 77.7058, 0.4021,  
0.4833


 85.3600, 0.3024,  
0.3101

 77.3419, 0.4089,  
0.4958


 85.4572, 0.3027,  
0.3101


 77.0847, 0.4131,  
0.5039

 85.5547, 0.3031,  
0.3101

 76.9152, 0.4149,  
0.5079

 85.6525, 0.3035,  
0.3101

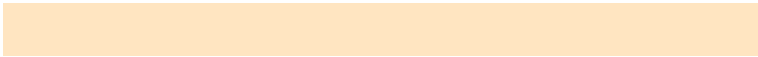
 76.8836, 0.4151,  
0.5086

 85.7506, 0.3038,  
0.3101

# Harmonies

## Analogous

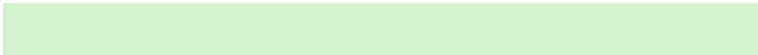
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5481, 0.3566, 0.3658



81.5481, 0.3388, 0.3734



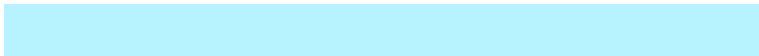
81.5481, 0.3145, 0.3682

# Triad

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



81.5481, 0.3388, 0.3734



81.5481, 0.2654, 0.3060



81.5481, 0.3346, 0.3082

# Complementary

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



81.5481, 0.3388, 0.3734



56.2179, 0.2841, 0.2806

# Split Complementary

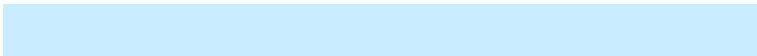
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5481, 0.3094, 0.2935



81.5481, 0.3388, 0.3734



81.5481, 0.2702, 0.2916

# Square

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



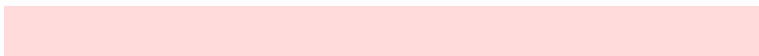
81.5481, 0.3388, 0.3734



81.5481, 0.2726, 0.3278



81.5481, 0.2860, 0.2874



81.5481, 0.3543, 0.3281

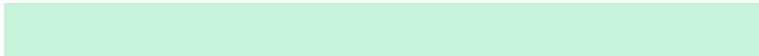


# Rectangle

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



81.5481, 0.3388, 0.3734



81.5481, 0.2979, 0.3579



81.5481, 0.2860, 0.2874



81.5481, 0.3264, 0.3025

# Sweetspot

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



81.5517, 0.3388, 0.3734



99.1484, 0.3199, 0.3413



60.6048, 0.3471, 0.3299



21.1971, 0.3210, 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.



81.5517, 0.3388, 0.3734



96.7775, 0.3437, 0.3817



78.2269, 0.3242, 0.3755



17.6077, 0.3264, 0.3523



42.3852, 0.4152, 0.5085



3.3341, 0.4158, 0.5080



# Inverse Universe

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



56.2179, 0.2841, 0.2806



61.8611, 0.2781, 0.2705



59.1722, 0.2993, 0.2827



14.5660, 0.2983, 0.3046



3.3660, 0.1508, 0.0604

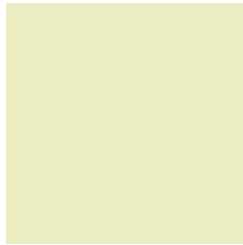


0.2704, 0.1528, 0.0615



# Previews

## White Background



This preview shows how the Yxy color 81.5481, 0.3388, 0.3734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

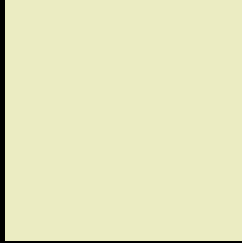
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.5481, 0.3388, 0.3734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

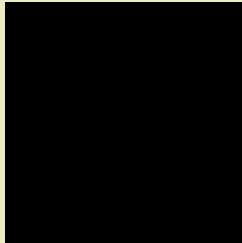
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

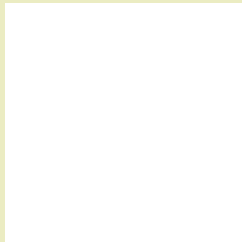
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.5481, 0.3388, 0.3734**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.5481, 0.3388, 0.3734.

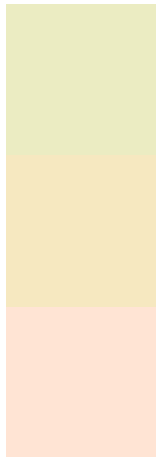


This preview shows how white text looks on a background with the Yxy color 81.5481, 0.3388, 0.3734.

# 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

81.5481, 0.3388, 0.3734

### Protanopia

81.1118, 0.3488, 0.3704

### Deuteranopia

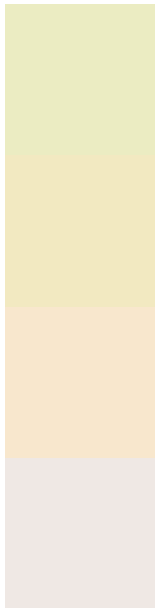
81.5003, 0.3425, 0.3452



## Tritanopia

81.6313, 0.3102, 0.3110

# Trichromacy



## Original Color

81.5481, 0.3388, 0.3734

## Protanomaly

81.0053, 0.3450, 0.3707

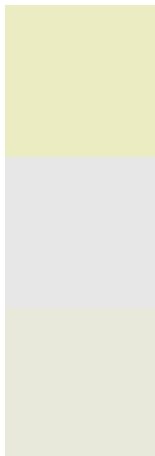
## Deuteranomaly

81.5161, 0.3417, 0.3557

## Tritanomaly

81.6654, 0.3200, 0.3331

# Monochromacy



## Original Color

81.5481, 0.3388, 0.3734

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.4956, 0.3215, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.5481, 0.3388, 0.3734 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(235, 236, 194)` looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 194)  
}
```

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(235, 236, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 81.5481, 0.3388, 0.3734 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(235, 236, 194) }
```

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

```
.border{ border-color:rgb(235, 236, 194) }
```

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

Here you see how a box with a 4 pixel rgb(235, 236, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 194);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.5481, 0.3388, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 194) }
```

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

```
.background{ background-color: rgb(235,  
236, 194) }
```

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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