

# Converting Colors

$Yxy(80.6349, 0.3358, 0.3660)$

Have a look what the booklet for  
Yxy(80.6349, 0.3358, 0.3660)  
contains.

|  |    |
|--|----|
| <b>Yxy(80.6313, 0.3358, 0.3660)</b> .....      | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 27 |
| <b><i>CSS Examples</i></b> .....               | 30 |

# Color

**Yxy(80.6313, 0.3358, 0.3660)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | EBEAC7                      |
| RGB         | 235, 234, 199               |
| RGB Percent | 92%, 92%, 78%               |
| CMY         | 0.0787, 0.0823, 0.2196      |
| CMYK        | 0.00, 0.00, 0.15, 0.08      |
| HSL         | 58°, 47%, 85%               |
| HSV         | 58°, 15%, 92%               |
| XYZ         | 73.9781, 80.6313, 65.6947   |
| YIQ         | 230.3090, 11.8310, -10.6730 |

# Conversions

## Conversions Part 2

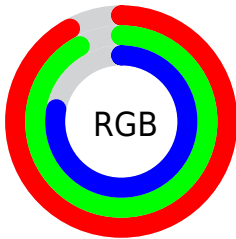
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 200, 235, 199                 |
| Decimal                             | 15461063                      |
| CIE Lab                             | 91.97, -5.45, 17.15           |
| CIE LCh                             | 92, 17.995, 107.619           |
| Yxy                                 | 80.6313, 0.3358,<br>0.3660    |
| Android<br>(android.graphics.Color) | 4293651143<br>(0xFFEBEAC7)    |
| YUV                                 | 230.3090, -15.4353,<br>4.1140 |
| Hunter-Lab                          | 89.7949, -10.0828,<br>19.4794 |

# Details

The Yxy color **80.6313, 0.3358, 0.3660** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.4072, 0.2880, 0.2891**, and the grayscale version is **79.4777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4688, 0.3410, 0.3741** is the 20% darker color. If you saturate the color by 10%, you get **79.2845, 0.3513, 0.3907**, and if you desaturate by 10%, it is **82.1549, 0.3206, 0.3416**.

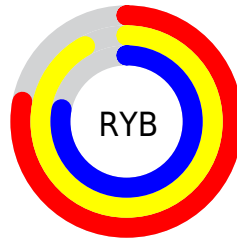
# Distribution



Red (92%)

Green (92%)

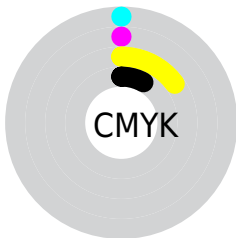
Blue (78%)



Red (78%)

Yellow (92%)

Blue (78%)

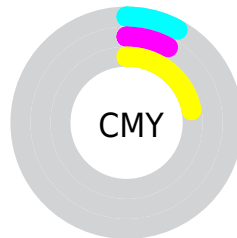


Cyan (0%)

Magenta (0%)

Yellow (15%)

Black (8%)



Cyan (8%)

Magenta (8%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6313, 0.3358, 0.3660 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 80.6313, 0.3358, 0.3660 by changing the saturation by 10% instead.



80.6313, 0.3358,  
0.3660

80.6313, 0.3358,  
0.3660

497.0578, 0.3254,  
0.3490

60.2380, 0.3381,  
0.3698

134.2529, 0.3323,  
0.3601

43.6105, 0.3409,  
0.3746

168.2501, 0.3309,  
0.3578

30.3644, 0.3444,  
0.3805

207.5506, 0.3297,  
0.3559

20.1153, 0.3488,  
0.3882

252.5389, 0.3286,  
0.3542

12.4789, 0.3546,  
0.3986

303.5994, 0.3277,  
0.3526

7.0707, 0.3626,  
0.4133

361.1164, 0.3268,

3.5064, 0.3739,

0.3513

425.4744, 0.3261,  
0.3501

0.4355

■ 1.4015, 0.4135,  
0.4997

■ 0.2178, 0.2537,  
0.7463

■ 80.6313, 0.3358,  
0.3660

■ 80.6313, 0.3358,  
0.3660

■ 79.2845, 0.3513,  
0.3907

■ 82.1549, 0.3206,  
0.3416

■ 78.0961, 0.3665,  
0.4149


■ 83.8517, 0.3059,  
0.3181


■ 77.0613, 0.3810,  
0.4376

■ 84.7641, 0.3005,  
0.3098

■ 76.1711, 0.3940,  
0.4579


■ 85.1107, 0.3005,  
0.3104

 75.4155, 0.4051,  
0.4749


 85.4584, 0.3005,  
0.3110

 74.7832, 0.4137,  
0.4878

 85.8073, 0.3005,  
0.3116


 74.2611, 0.4196,  
0.4963

 86.1574, 0.3005,  
0.3122

 73.8329, 0.4229,  
0.5006

 86.5086, 0.3005,  
0.3128

 73.6522, 0.4239,  
0.5016

 86.8610, 0.3005,  
0.3134

# Harmonies

## Analogous

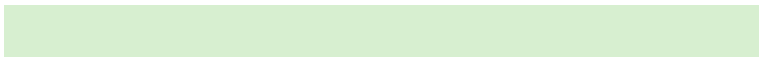
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6313, 0.3501, 0.3593



80.6313, 0.3358, 0.3660



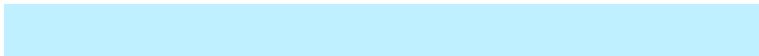
80.6313, 0.3156, 0.3622

# Triad

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



80.6313, 0.3358, 0.3660



80.6313, 0.2729, 0.3108



80.6313, 0.3299, 0.3105

# Complementary

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



80.6313, 0.3358, 0.3660



59.4072, 0.2880, 0.2891

# Split Complementary

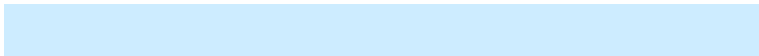
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6313, 0.3087, 0.2985



80.6313, 0.3358, 0.3660



80.6313, 0.2764, 0.2981

# Square

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



80.6313, 0.3358, 0.3660



80.6313, 0.2797, 0.3293



80.6313, 0.2893, 0.2939



80.6313, 0.3467, 0.3273

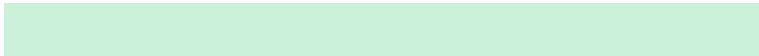


# Rectangle

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



80.6313, 0.3358, 0.3660



80.6313, 0.3016, 0.3540



80.6313, 0.2893, 0.2939



80.6313, 0.3230, 0.3058

# Sweetspot

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



80.6349, 0.3358, 0.3660



98.9978, 0.3201, 0.3409



62.6777, 0.3405, 0.3278



21.1604, 0.3212, 0.3426



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.



80.6349, 0.3358, 0.3660



96.6411, 0.3401, 0.3729



78.4391, 0.3239, 0.3684



17.5569, 0.3269, 0.3517



41.0437, 0.4238, 0.5017



3.2439, 0.4232, 0.5022



# Inverse Universe

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



59.4072, 0.2880, 0.2891



67.0190, 0.2830, 0.2810



61.4050, 0.3001, 0.2895



14.6107, 0.2980, 0.3053



3.4389, 0.1505, 0.0616

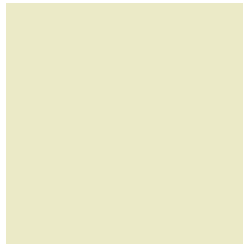


0.2919, 0.1517, 0.0661



# Previews

## White Background



This preview shows how the Yxy color 80.6313, 0.3358, 0.3660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

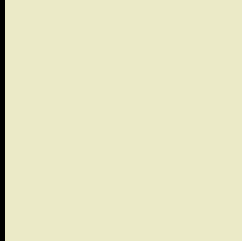
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.6313, 0.3358, 0.3660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

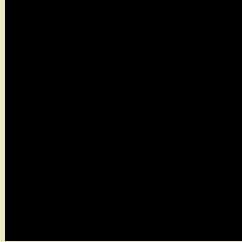
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

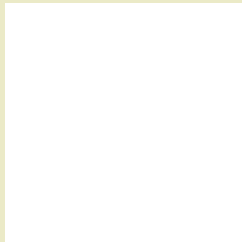
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.6313, 0.3358, 0.3660**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.6313, 0.3358, 0.3660.



This preview shows how white text looks on a background with the Yxy color 80.6313, 0.3358, 0.3660.

# 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

80.6313, 0.3358, 0.3660

### Protanopia

80.4621, 0.3435, 0.3633

### Deuteranopia

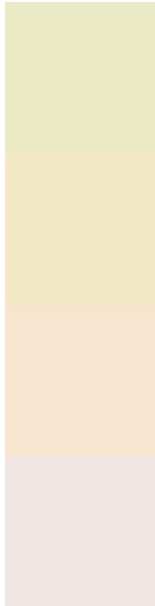
80.4062, 0.3428, 0.3432



## Tritanopia

80.2315, 0.3108, 0.3109

# Trichromacy



## Original Color

80.6313, 0.3358, 0.3660

## Protanomaly

80.4912, 0.3411, 0.3645

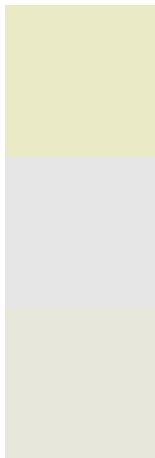
## Deuteranomaly

80.5001, 0.3407, 0.3516

## Tritanomaly

80.5458, 0.3202, 0.3311

# Monochromacy



## Original Color

80.6313, 0.3358, 0.3660

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.4221, 0.3211, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.6313, 0.3358, 0.3660 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, 234, 199)` looks like.

```
.text, #text, p{  
    color:rgb(235, 234, 199)  
}
```

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, 234, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 234, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 80.6313, 0.3358, 0.3660 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, 234, 199) }
```

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

```
.border{ border-color:rgb(235, 234, 199) }
```

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

Here you see how a box with a 4 pixel rgb(235, 234, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 234, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 234, 199);  
box-shadow:4px 4px 4px 4px rgb(235, 234,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.6313, 0.3358, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 234, 199) }
```

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

```
.background{ background-color: rgb(235,  
234, 199) }
```

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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