

# Converting Colors

$Yxy(65.1890, 0.3551, 0.3800)$

Have a look what the booklet for  
Yxy(65.1890, 0.3551, 0.3800)  
contains.

<b>Yxy(65.1890, 0.3551, 0.3800)</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(65.1890, 0.3551, 0.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0D3A6
RGB	224, 211, 166
RGB Percent	88%, 83%, 65%
CMY	0.1216, 0.1725, 0.3491
CMYK	0.00, 0.06, 0.26, 0.12
HSL	47°, 48%, 76%
HSV	47°, 26%, 88%
XYZ	60.9174, 65.1890, 45.4436
YIQ	209.7570, 22.1930, -11.2390

# Conversions

## Conversions Part 2

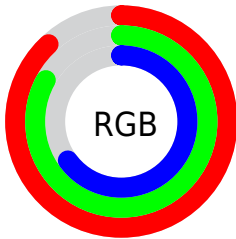
Format	Color
<a href="#">RYB</a>	<a href="#">183, 224, 166</a>
Decimal	<a href="#">14734246</a>
CIELab	<a href="#">84.58, -2.45, 23.95</a>
CIElCh	<a href="#">85, 24.077, 95.831</a>
Yxy	<a href="#">65.1890, 0.3551, 0.3800</a>
Android (android.graphics.Color)	<a href="#">4292924326 (0xFFE0D3A6)</a>
YUV	<a href="#">209.7570, -21.5722, 12.4911</a>
Hunter-Lab	<a href="#">80.7397, -6.6178, 23.1470</a>

# Details

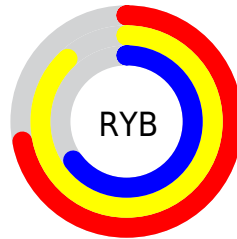
The Yxy color **65.1890, 0.3551, 0.3800** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.7236, 0.2697, 0.2722**, and the grayscale version is **64.4157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **33.6537, 0.3647, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **61.9853, 0.3731, 0.4001**, and if you desaturate by 10%, it is **68.6196, 0.3378, 0.3598**.

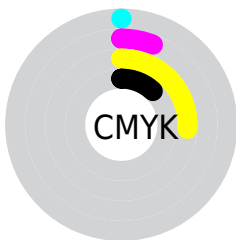
# Distribution



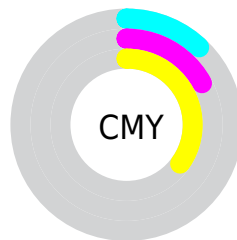
- Red (88%)
- Green (83%)
- Blue (65%)



- Red (72%)
- Yellow (88%)
- Blue (65%)



- Cyan (0%)
- Magenta (6%)
- Yellow (26%)
- Black (12%)




- Cyan (12%)
- Magenta (17%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1890, 0.3551, 0.3800 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 65.1890, 0.3551, 0.3800 by changing the saturation by 10% instead.





 65.1890, 0.3551,  
0.3800

 65.1890, 0.3551,  
0.3800


443.4708, 0.3353,  
0.3559

 47.6143, 0.3596,  
0.3856

 112.3215, 0.3482,  
0.3716

 33.5216, 0.3652,  
0.3925


 142.6482, 0.3455,  
0.3683

 22.5263, 0.3723,  
0.4013


177.9944, 0.3432,  
0.3655

 14.2441, 0.3814,  
0.4128

218.7444, 0.3412,  
0.3631

 8.2907, 0.3936,  
0.4284

265.2826, 0.3395,  
0.3610

 4.2815, 0.4103,  
0.4503

317.9935, 0.3379,

 1.8322, 0.4622,

0.3591

0.5144

377.2615, 0.3365,  
0.3574

0.5071, 0.4544,  
0.5456

0.0000, 0.0000,  
0.0000

65.1890, 0.3551,  
0.3800

65.1890, 0.3551,  
0.3800

61.9853, 0.3731,  
0.4001

68.6196, 0.3378,  
0.3598

58.9915, 0.3915,  
0.4192

72.2759, 0.3217,  
0.3402

56.2019, 0.4095,  
0.4366

76.1680, 0.3068,  
0.3214

53.6067, 0.4263,  
0.4510

80.2642, 0.2935,  
0.3044

■ 51.1951, 0.4412,  
0.4615

■ 83.1153, 0.2936,  
0.3096

■ 48.9546, 0.4535,  
0.4674

■ 86.0475, 0.2937,  
0.3148

■ 46.8699, 0.4628,  
0.4685

■ 89.0617, 0.2938,  
0.3200

■ 46.0491, 0.4660,  
0.4682

■ 92.1583, 0.2940,  
0.3251

■ 94.5877, 0.2940,  
0.3289

# Harmonies

## Analogous

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



65.1890, 0.3708, 0.3647



65.1890, 0.3551, 0.3800



65.1890, 0.3283, 0.3814

# Triad

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



65.1890, 0.3551, 0.3800



65.1890, 0.2583, 0.3121



65.1890, 0.3254, 0.2952

# Complementary

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



65.1890, 0.3551, 0.3800



45.7236, 0.2697, 0.2722

# 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.



65.1890, 0.2951, 0.2820



65.1890, 0.3551, 0.3800



65.1890, 0.2576, 0.2903

# Square

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



65.1890, 0.3551, 0.3800



65.1890, 0.2729, 0.3405



65.1890, 0.2706, 0.2800



65.1890, 0.3534, 0.3164



# Rectangle

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



65.1890, 0.3551, 0.3800



65.1890, 0.3081, 0.3733



65.1890, 0.2706, 0.2800



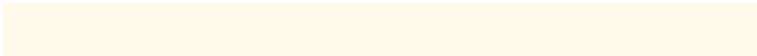
65.1890, 0.3151, 0.2897

# Sweetspot

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



65.1919, 0.3551, 0.3800



95.8736, 0.3251, 0.3444



46.3932, 0.3550, 0.3133



20.3597, 0.3275, 0.3473



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

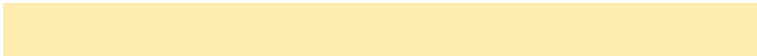


# Same Dimension

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



65.1919, 0.3551, 0.3800



85.1289, 0.3646, 0.3907



69.5528, 0.3400, 0.3961



15.4814, 0.3273, 0.3471



26.9823, 0.4652, 0.4688



1.9999, 0.4567, 0.4756



# Inverse Universe

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



45.7236, 0.2697, 0.2722



54.8768, 0.2598, 0.2585



42.5310, 0.2802, 0.2576



13.7389, 0.2981, 0.3103



4.6114, 0.1568, 0.0844

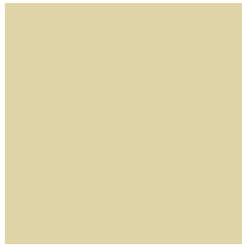


0.4532, 0.1647, 0.1130



# Previews

## White Background



This preview shows how the Yxy color 65.1890, 0.3551, 0.3800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

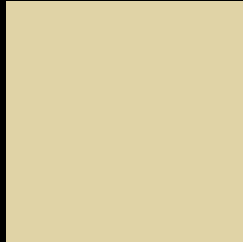
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.1890, 0.3551, 0.3800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

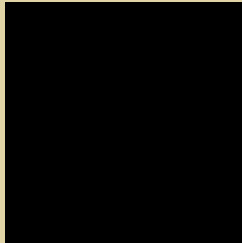
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.1890, 0.3551, 0.3800**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1890, 0.3551, 0.3800.

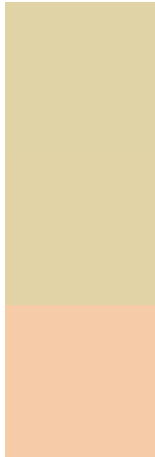


This preview shows how white text looks on a background with the Yxy color 65.1890, 0.3551, 0.3800.

# 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

65.1890, 0.3551, 0.3800

### Protanopia

65.3493, 0.3559, 0.3798

### Deuteranopia

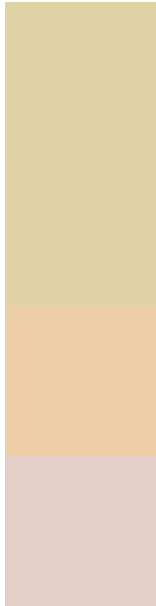
65.1319, 0.3739, 0.3666



## Tritanopia

65.3420, 0.3219, 0.3118

# Trichromacy



**Original Color**

65.1890, 0.3551, 0.3800

**Protanomaly**

65.3493, 0.3559, 0.3798

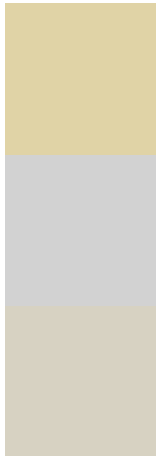
**Deuteranomaly**

65.1098, 0.3671, 0.3717

**Tritanomaly**

65.2898, 0.3339, 0.3368

# Monochromacy



**Original Color**

65.1890, 0.3551, 0.3800

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

64.4353, 0.3278, 0.3473

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1890, 0.3551, 0.3800 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(224, 211, 166)` looks like.

```
.text, #text, p{  
    color:rgb(224, 211, 166)  
}
```

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(224, 211, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 211, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1890, 0.3551, 0.3800 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(224, 211, 166) }
```

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

```
.border{ border-color:rgb(224, 211, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 211, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 211, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 211, 166);  
box-shadow:4px 4px 4px 4px rgb(224, 211,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1890, 0.3551, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 211, 166) }
```

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

```
.background{ background-color: rgb(224,  
211, 166) }
```

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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