

# Converting Colors

$Yxy(71.9665, 0.3660, 0.4008)$

Have a look what the booklet for  
Yxy(71.9665, 0.3660, 0.4008)  
contains.

<b>Yxy(71.9665, 0.3660, 0.4008)</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(71.9665, 0.3660, 0.4008)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9DE9C
RGB	233, 222, 156
RGB Percent	91%, 87%, 61%
CMY	0.0864, 0.1293, 0.3883
CMYK	0.00, 0.05, 0.33, 0.09
HSL	51°, 64%, 76%
HSV	51°, 33%, 91%
XYZ	65.7179, 71.9665, 41.8727
YIQ	217.7650, 27.7420, -18.1940

# Conversions

## Conversions Part 2

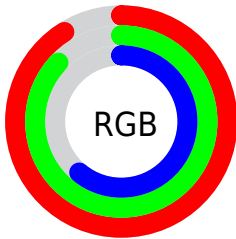
Format	Color
<a href="#">RYB</a>	<a href="#">169, 233, 156</a>
Decimal	<a href="#">15326876</a>
CIELab	<a href="#">87.95, -5.94, 33.79</a>
CIELCh	<a href="#">88, 34.305, 99.970</a>
Yxy	<a href="#">71.9665, 0.3660, 0.4008</a>
Android (android.graphics.Color)	<a href="#">4293516956 (0xFFE9DE9C)</a>
YUV	<a href="#">217.7650, -30.4501, 13.3611</a>
Hunter-Lab	<a href="#">84.8331, -10.1787, 30.1182</a>

# Details

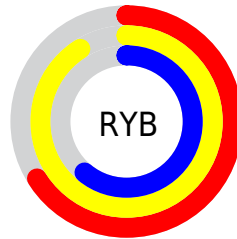
The Yxy color **71.9665, 0.3660, 0.4008** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.5634, 0.2552, 0.2452**, and the grayscale version is **70.1387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **37.8670, 0.3773, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **69.5111, 0.3828, 0.4219**, and if you desaturate by 10%, it is **74.6145, 0.3492, 0.3788**.

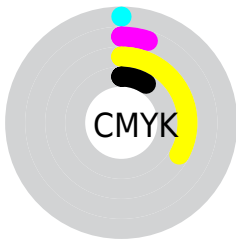
# Distribution



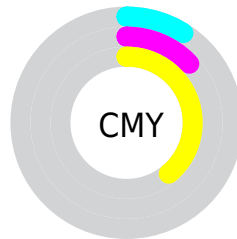
- Red (91%)
- Green (87%)
- Blue (61%)



- Red (66%)
- Yellow (91%)
- Blue (61%)



- Cyan (0%)
- Magenta (5%)
- Yellow (33%)
- Black (9%)




- Cyan (9%)
- Magenta (13%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9665, 0.3660, 0.4008 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 71.9665, 0.3660, 0.4008 by changing the saturation by 10% instead.




 71.9665, 0.3660,  
0.4008


 71.9665, 0.3660,  
0.4008


467.4250, 0.3419,  
0.3675

 53.1313, 0.3713,  
0.4083


 122.0089, 0.3578,  
0.3893

 37.9076, 0.3776,  
0.4176


 153.9849, 0.3546,  
0.3848

 25.9110, 0.3854,  
0.4291


191.1100, 0.3517,  
0.3809

 16.7571, 0.3951,  
0.4437

233.7685, 0.3493,  
0.3775

 10.0614, 0.4071,  
0.4628

282.3448, 0.3471,  
0.3745

 5.4397, 0.4216,  
0.4880

337.2235, 0.3452,

 2.5075, 0.4563,

0.3719

0.5437

398.7887, 0.3434,  
0.3696

0.8804, 0.4400,  
0.5600

0.0000, 0.0000,  
0.0000

71.9665, 0.3660,  
0.4008

71.9665, 0.3660,  
0.4008

69.5111, 0.3828,  
0.4219

74.6145, 0.3492,  
0.3788

67.2294, 0.3989,  
0.4413


77.4533, 0.3328,  
0.3568


65.1152, 0.4136,  
0.4578

80.4940, 0.3173,  
0.3353

63.1573, 0.4263,  
0.4705


83.7435, 0.3027,  
0.3149

 61.3433, 0.4364,  
0.4788

 86.0319, 0.2993,  
0.3125

 59.6579, 0.4436,  
0.4826

 87.9863, 0.2993,  
0.3159

 58.5450, 0.4473,  
0.4831

 89.9764, 0.2993,  
0.3192

 92.0024, 0.2993,  
0.3225

 94.0646, 0.2993,  
0.3258

# Harmonies

## Analogous

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



71.9665, 0.3909, 0.3805



71.9665, 0.3660, 0.4008



71.9665, 0.3277, 0.4010

# Triad

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



71.9665, 0.3660, 0.4008



71.9665, 0.2377, 0.2999



71.9665, 0.3356, 0.2867

# Complementary

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



71.9665, 0.3660, 0.4008



40.5634, 0.2552, 0.2452

# 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.



71.9665, 0.2936, 0.2674



71.9665, 0.3660, 0.4008



71.9665, 0.2394, 0.2728

# Square

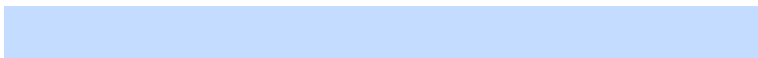
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9665, 0.3660, 0.4008



71.9665, 0.2545, 0.3388



71.9665, 0.2591, 0.2620



71.9665, 0.3733, 0.3158



# Rectangle

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



71.9665, 0.3660, 0.4008



71.9665, 0.3000, 0.3878



71.9665, 0.2591, 0.2620



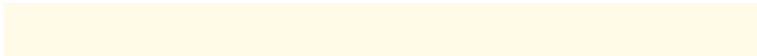
71.9665, 0.3214, 0.2789

# Sweetspot

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



71.9698, 0.3660, 0.4008



96.1720, 0.3281, 0.3503



43.9008, 0.3779, 0.3160



20.4740, 0.3303, 0.3534



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

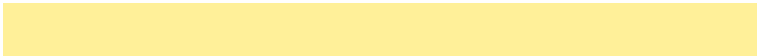


# Same Dimension

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



71.9698, 0.3660, 0.4008



86.1674, 0.3780, 0.4161



73.7861, 0.3426, 0.4172



17.2403, 0.3271, 0.3490



33.3691, 0.4468, 0.4835



2.7205, 0.4424, 0.4869



# Inverse Universe

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



40.5634, 0.2552, 0.2452



41.8180, 0.2409, 0.2234



39.7126, 0.2742, 0.2362



14.8946, 0.2980, 0.3081



4.0665, 0.1532, 0.0715

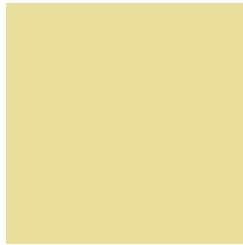


0.4275, 0.1589, 0.0921



# Previews

## White Background



This preview shows how the Yxy color 71.9665, 0.3660, 0.4008 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

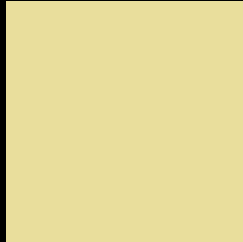
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9665, 0.3660, 0.4008 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

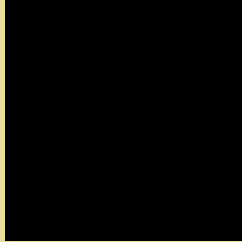
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.9665, 0.3660, 0.4008**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9665, 0.3660, 0.4008.



This preview shows how white text looks on a background with the Yxy color 71.9665, 0.3660, 0.4008.

# 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

71.9665, 0.3660, 0.4008

### Protanopia

71.7301, 0.3713, 0.3989

### Deuteranopia

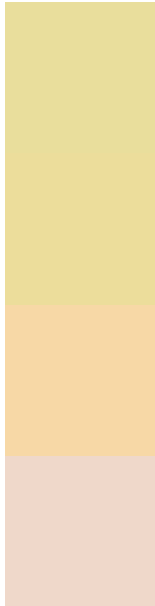
71.7888, 0.3756, 0.3725



## Tritanopia

72.1229, 0.3230, 0.3125

# Trichromacy



**Original Color**

71.9665, 0.3660, 0.4008

**Protanomaly**

71.9123, 0.3694, 0.4002

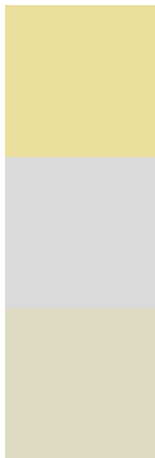
**Deuteranomaly**

71.6391, 0.3719, 0.3817

**Tritanomaly**

71.7267, 0.3396, 0.3440

# Monochromacy



**Original Color**

71.9665, 0.3660, 0.4008

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

70.2911, 0.3320, 0.3556

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9665, 0.3660, 0.4008 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(233, 222, 156)` looks like.

```
.text, #text, p{  
    color:rgb(233, 222, 156)  
}
```

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(233, 222, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 222, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9665, 0.3660, 0.4008 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(233, 222, 156) }
```

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

```
.border{ border-color:rgb(233, 222, 156) }
```

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

Here you see how a box with a 4 pixel rgb(233, 222, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 222, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 222, 156);  
box-shadow:4px 4px 4px 4px rgb(233, 222,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9665, 0.3660, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 222, 156) }
```

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

```
.background{ background-color: rgb(233,  
222, 156) }
```

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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