

# Converting Colors

$Yxy(73.1517, 0.3645, 0.4062)$

Have a look what the booklet for  
Yxy(73.1517, 0.3645, 0.4062)  
contains.

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# Color

**Yxy(73.1724, 0.3648, 0.4062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E19A
RGB	231, 225, 154
RGB Percent	91%, 88%, 60%
CMY	0.0941, 0.1176, 0.3959
CMYK	0.00, 0.03, 0.33, 0.09
HSL	55°, 62%, 75%
HSV	55°, 33%, 91%
XYZ	65.7147, 73.1724, 41.2518
YIQ	218.7000, 26.3670, -20.8090

# Conversions

## Conversions Part 2

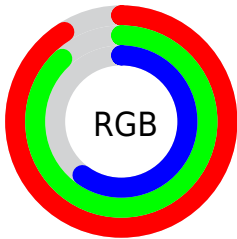
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 231, 154
Decimal	15196570
CIELab	88.53, -8.44, 35.51
CIELCh	89, 36.494, 103.364
Yxy	73.1724, 0.3648, 0.4062
Android (android.graphics.Color)	4293386650 (0xFFE7E19A)
YUV	218.7000, -31.8971, 10.7871
Hunter-Lab	85.5409, -12.5683, 31.2862

# Details

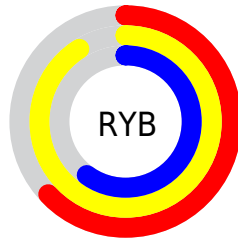
The Yxy color **73.1724, 0.3648, 0.4062** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.7986, 0.2538, 0.2379**, and the grayscale version is **70.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **38.7074, 0.3754, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **71.5111, 0.3804, 0.4284**, and if you desaturate by 10%, it is **74.9987, 0.3488, 0.3829**.

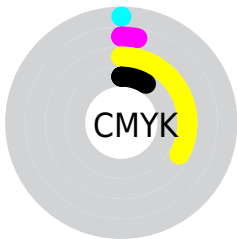
# Distribution



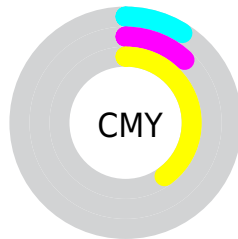
- Red (91%)
- Green (88%)
- Blue (60%)



- Red (63%)
- Yellow (91%)
- Blue (60%)



- Cyan (0%)
- Magenta (3%)
- Yellow (33%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1724, 0.3648, 0.4062 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 73.1724, 0.3648, 0.4062 by changing the saturation by 10% instead.




 73.1724, 0.3648,  
0.4062


 73.1724, 0.3648,  
0.4062


471.6121, 0.3415,  
0.3703

 54.1169, 0.3698,  
0.4143


 123.7219, 0.3569,  
0.3938

 38.6952, 0.3759,  
0.4242

 155.9848, 0.3538,  
0.3889

 26.5227, 0.3832,  
0.4366


193.4189, 0.3511,  
0.3848

 17.2151, 0.3921,  
0.4524

236.4087, 0.3487,  
0.3811

 10.3879, 0.4029,  
0.4730

285.3385, 0.3465,  
0.3779

 5.6569, 0.4154,  
0.5001

340.5927, 0.3447,

 2.6376, 0.4438,

0.3751

0.5562

402.5558, 0.3430,  
0.3726

■ 0.9456, 0.4224,  
0.5776

■ 0.0000, 0.0000,  
0.0000

■ 73.1724, 0.3648,  
0.4062

■ 73.1724, 0.3648,  
0.4062

■ 71.5111, 0.3804,  
0.4284

■ 74.9987, 0.3488,  
0.3829

■ 69.9964, 0.3949,  
0.4486

■ 76.9878, 0.3329,  
0.3594

■ 68.6220, 0.4078,  
0.4658

■ 79.1506, 0.3176,  
0.3364

■ 67.3774, 0.4184,  
0.4791

■ 81.4937, 0.3031,  
0.3144

66.2504, 0.4263,  
0.4881

83.0512, 0.2980,  
0.3077

65.2262, 0.4315,  
0.4926

84.0803, 0.2980,  
0.3096

64.5830, 0.4338,  
0.4937

85.1198, 0.2980,  
0.3114

86.1698, 0.2980,  
0.3133

87.2302, 0.2981,  
0.3151

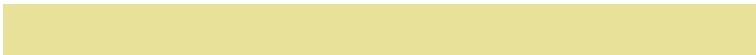
# Harmonies

## Analogous

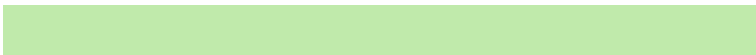
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1724, 0.3934, 0.3864



73.1724, 0.3648, 0.4062



73.1724, 0.3233, 0.4039

# Triad

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



73.1724, 0.3648, 0.4062



73.1724, 0.2329, 0.2940



73.1724, 0.3419, 0.2875

# Complementary

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



73.1724, 0.3648, 0.4062



37.7986, 0.2538, 0.2379

# 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.



73.1724, 0.2972, 0.2658



73.1724, 0.3648, 0.4062



73.1724, 0.2369, 0.2674

# Square

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



73.1724, 0.3648, 0.4062



73.1724, 0.2483, 0.3342



73.1724, 0.2595, 0.2582



73.1724, 0.3805, 0.3188

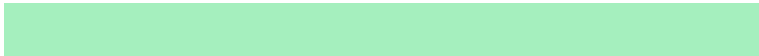


# Rectangle

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



73.1724, 0.3648, 0.4062



73.1724, 0.2944, 0.3880



73.1724, 0.2595, 0.2582



73.1724, 0.3270, 0.2789

# Sweetspot

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



73.1757, 0.3648, 0.4062



97.2051, 0.3279, 0.3518



42.6691, 0.3839, 0.3218



20.7257, 0.3301, 0.3551



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.



73.1757, 0.3648, 0.4062



90.1180, 0.3756, 0.4217



71.6166, 0.3390, 0.4190



16.6150, 0.3269, 0.3505



36.2921, 0.4336, 0.4939



2.7392, 0.4313, 0.4958



# Inverse Universe

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



37.7986, 0.2538, 0.2379



39.4612, 0.2396, 0.2153



39.3489, 0.2781, 0.2365



14.0665, 0.2980, 0.3066



3.5457, 0.1514, 0.0652

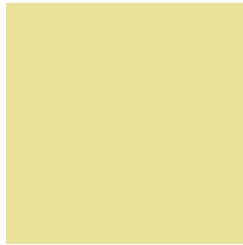


0.3252, 0.1552, 0.0788



# Previews

## White Background



This preview shows how the Yxy color 73.1724, 0.3648, 0.4062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

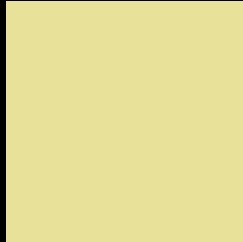
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1724, 0.3648, 0.4062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

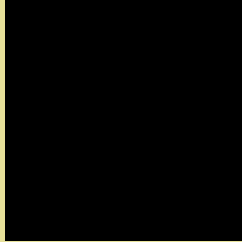
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.1724, 0.3648, 0.4062**

## Background



This preview shows how black text looks on a background with the Yxy color 73.1724, 0.3648, 0.4062.



This preview shows how white text looks on a background with the Yxy color 73.1724, 0.3648, 0.4062.

# 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

73.1724, 0.3648, 0.4062

### Protanopia

73.0677, 0.3735, 0.4025

### Deuteranopia

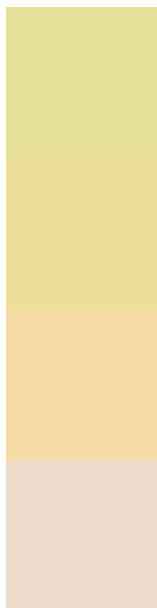
72.9560, 0.3719, 0.3703



## Tritanopia

72.9523, 0.3193, 0.3114

# Trichromacy



## Original Color

73.1724, 0.3648, 0.4062

## Protanomaly

73.0798, 0.3708, 0.4041

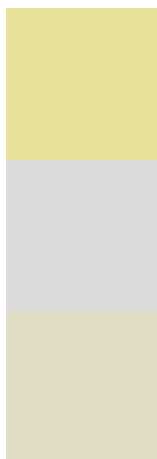
## Deuteranomaly

73.0459, 0.3695, 0.3838

## Tritanomaly

73.0272, 0.3362, 0.3450

# Monochromacy



## Original Color

73.1724, 0.3648, 0.4062

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.3410, 0.3317, 0.3578

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1724, 0.3648, 0.4062 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(231, 225, 154)` looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 154)  
}
```

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(231, 225, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1724, 0.3648, 0.4062 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(231, 225, 154) }
```

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

```
.border{ border-color:rgb(231, 225, 154) }
```

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

Here you see how a box with a 4 pixel rgb(231, 225, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 154);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1724, 0.3648, 0.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 154) }
```

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

```
.background{ background-color: rgb(231,  
225, 154) }
```

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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