

# Converting Colors

$Y_{xy}(75.2236, 0.3465, 0.3810)$

Have a look what the booklet for  
Yxy(75.2236, 0.3465, 0.3810)  
contains.

<b>Yxy(75.0158, 0.3468, 0.3812)</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(75.0158, 0.3468, 0.3812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E3B3
RGB	230, 227, 179
RGB Percent	90%, 89%, 70%
CMY	0.0979, 0.1098, 0.2981
CMYK	0.00, 0.01, 0.22, 0.10
HSL	56°, 51%, 80%
HSV	56°, 22%, 90%
XYZ	68.2463, 75.0158, 53.5265
YIQ	222.4250, 17.1960, -14.2920

# Conversions

## Conversions Part 2

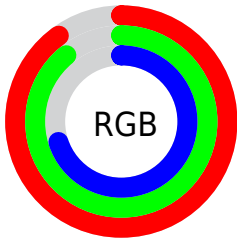
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 230, 179
Decimal	15131571
CIELab	89.40, -6.58, 23.88
CIELCh	89, 24.769, 105.409
Yxy	75.0158, 0.3468, 0.3812
Android (android.graphics.Color)	4293321651 (0xFFE6E3B3)
YUV	222.4250, -21.4085, 6.6433
Hunter-Lab	86.6117, -10.9201, 23.9866

# Details

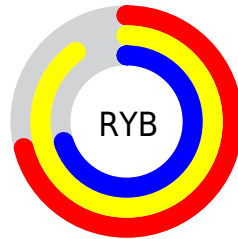
The Yxy color **75.0158, 0.3468, 0.3812** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.7674, 0.2755, 0.2708**, and the grayscale version is **73.5129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **40.0101, 0.3543, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **73.4187, 0.3626, 0.4049**, and if you desaturate by 10%, it is **76.7808, 0.3311, 0.3573**.

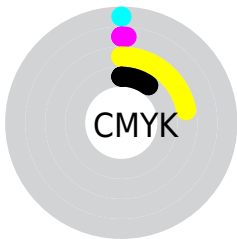
# Distribution



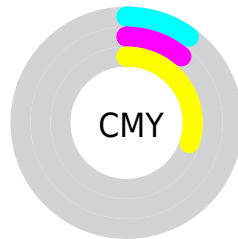
- Red (90%)
- Green (89%)
- Blue (70%)



- Red (71%)
- Yellow (90%)
- Blue (70%)



- Cyan (0%)
- Magenta (1%)
- Yellow (22%)
- Black (10%)




- Cyan (10%)
- Magenta (11%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0158, 0.3468, 0.3812 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 75.0158, 0.3468, 0.3812 by changing the saturation by 10% instead.




 75.0158, 0.3468,  
0.3812

 75.0158, 0.3468,  
0.3812


477.9719, 0.3314,  
0.3569

 55.6258, 0.3502,  
0.3867


 126.3347, 0.3415,  
0.3728

 39.9030, 0.3544,  
0.3936


159.0325, 0.3394,  
0.3695

 27.4629, 0.3595,  
0.4022


196.9349, 0.3376,  
0.3667

 17.9212, 0.3661,  
0.4134

240.4265, 0.3361,  
0.3642

 10.8934, 0.3746,  
0.4286

289.8916, 0.3347,  
0.3621

 5.9952, 0.3858,  
0.4498

345.7146, 0.3335,

 2.8422, 0.4026,

0.3602

0.4835

408.2799, 0.3323,  
0.3585

■ 1.0499, 0.4411,  
0.5589

■ 0.0000, 0.0000,  
0.0000

■ 75.0158, 0.3468,  
0.3812

■ 75.0158, 0.3468,  
0.3812

■ 73.4187, 0.3626,  
0.4049

■ 76.7808, 0.3311,  
0.3573

■ 71.9717, 0.3779,  
0.4276

■ 78.7109, 0.3159,  
0.3340

■ 70.6699, 0.3922,  
0.4484

■ 80.8161, 0.3016,  
0.3117

■ 69.5041, 0.4048,  
0.4661

■ 82.0284, 0.2974,  
0.3061

■ 68.4639, 0.4151,  
0.4801

■ 82.8043, 0.2974,  
0.3075

■ 67.5375, 0.4229,  
0.4897

■ 83.5863, 0.2974,  
0.3089

■ 66.7106, 0.4279,  
0.4949

■ 84.3743, 0.2974,  
0.3104

■ 66.1160, 0.4303,  
0.4966

■ 85.1683, 0.2974,  
0.3118

■ 85.9684, 0.2974,  
0.3132

# Harmonies

## Analogous

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



75.0158, 0.3664, 0.3700



75.0158, 0.3468, 0.3812



75.0158, 0.3186, 0.3775

# Triad

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



75.0158, 0.3468, 0.3812



75.0158, 0.2575, 0.3046



75.0158, 0.3347, 0.3018

# Complementary

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



75.0158, 0.3468, 0.3812



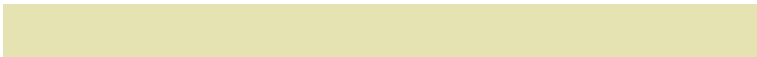
48.7674, 0.2755, 0.2708

# Split Complementary

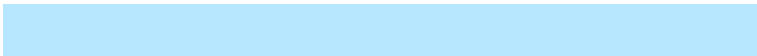
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.0158, 0.3046, 0.2859



75.0158, 0.3468, 0.3812



75.0158, 0.2612, 0.2865

# Square

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



75.0158, 0.3468, 0.3812



75.0158, 0.2677, 0.3311



75.0158, 0.2780, 0.2802



75.0158, 0.3595, 0.3243



# Rectangle

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



75.0158, 0.3468, 0.3812



75.0158, 0.2989, 0.3663



75.0158, 0.2780, 0.2802



75.0158, 0.3248, 0.2955

# Sweetspot

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



75.0191, 0.3468, 0.3812



98.2272, 0.3232, 0.3452



52.4605, 0.3549, 0.3253



20.9930, 0.3241, 0.3466



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.



75.0191, 0.3468, 0.3812



93.7447, 0.3546, 0.3931



73.2649, 0.3300, 0.3873



16.6625, 0.3269, 0.3509



37.4836, 0.4301, 0.4967



2.8148, 0.4284, 0.4981



# Inverse Universe

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



48.7674, 0.2755, 0.2708



54.6123, 0.2660, 0.2557



50.3861, 0.2921, 0.2699



14.0241, 0.2980, 0.3062



3.4653, 0.1511, 0.0638

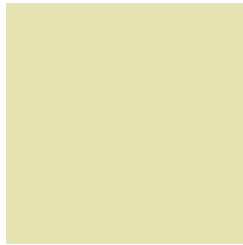


0.3049, 0.1540, 0.0745



# Previews

## White Background



This preview shows how the Yxy color 75.0158, 0.3468, 0.3812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

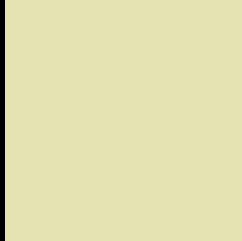
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0158, 0.3468, 0.3812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

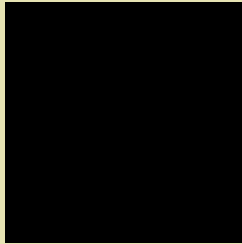
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

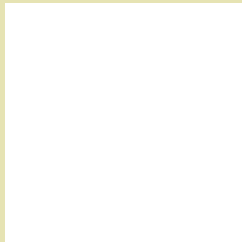
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.0158, 0.3468, 0.3812**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0158, 0.3468, 0.3812.



This preview shows how white text looks on a background with the Yxy color 75.0158, 0.3468, 0.3812.

# 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

75.0158, 0.3468, 0.3812

### Protanopia

74.8764, 0.3549, 0.3781

### Deuteranopia

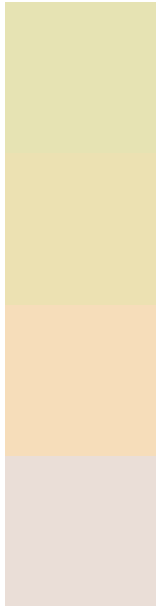
74.6034, 0.3603, 0.3568



## Tritanopia

74.7237, 0.3142, 0.3114

# Trichromacy



## Original Color

75.0158, 0.3468, 0.3812

## Protanomaly

74.8976, 0.3524, 0.3795

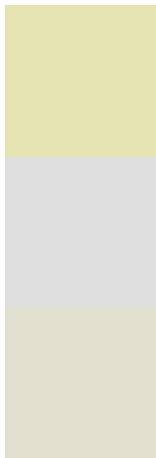
## Deuteranomaly

74.8509, 0.3554, 0.3658

## Tritanomaly

74.6413, 0.3260, 0.3365

# Monochromacy



## Original Color

75.0158, 0.3468, 0.3812

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.7751, 0.3253, 0.3486

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0158, 0.3468, 0.3812 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(230, 227, 179)` looks like.

```
.text, #text, p{  
    color:rgb(230, 227, 179)  
}
```

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(230, 227, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 227, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0158, 0.3468, 0.3812 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(230, 227, 179) }
```

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

```
.border{ border-color:rgb(230, 227, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 227, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 227, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 227, 179);  
box-shadow:4px 4px 4px 4px rgb(230, 227,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0158, 0.3468, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 227, 179) }
```

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

```
.background{ background-color: rgb(230,  
227, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor