

# Converting Colors

$Yxy(71.3996, 0.3576, 0.4048)$

Have a look what the booklet for  
Yxy(71.3996, 0.3576, 0.4048)  
contains.

<b>Yxy(71.3996, 0.3576, 0.4048)</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(71.3996, 0.3576, 0.4048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFE09C
RGB	223, 224, 156
RGB Percent	87%, 88%, 61%
CMY	0.1257, 0.1215, 0.3882
CMYK	0.00, 0.00, 0.30, 0.12
HSL	61°, 52%, 75%
HSV	61°, 30%, 88%
XYZ	63.0744, 71.3996, 41.9085
YIQ	215.9490, 21.2320, -21.3600

# Conversions

## Conversions Part 2

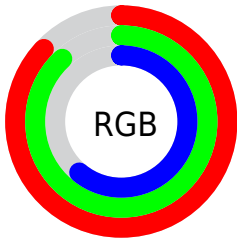
Format	Color
<a href="#">RYB</a>	<a href="#">156, 224, 157</a>
Decimal	<a href="#">14672028</a>
CIELab	<a href="#">87.68, -10.77, 33.27</a>
CIELCh	<a href="#">88, 34.973, 107.934</a>
Yxy	<a href="#">71.3996, 0.3576, 0.4048</a>
Android (android.graphics.Color)	<a href="#">4292862108</a> ( <a href="#">0xFFDFE09C</a> )
YUV	<a href="#">215.9490, -29.5549, 6.1837</a>
Hunter-Lab	<a href="#">84.4983, -14.6294, 29.7428</a>

# Details

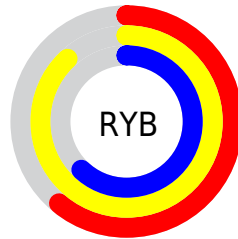
The Yxy color **71.3996, 0.3576, 0.4048** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.3361, 0.2599, 0.2405**, and the grayscale version is **68.8236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **37.5909, 0.3672, 0.4231** is the 20% darker color. If you saturate the color by 10%, you get **70.6561, 0.3718, 0.4290**, and if you desaturate by 10%, it is **72.2896, 0.3428, 0.3797**.

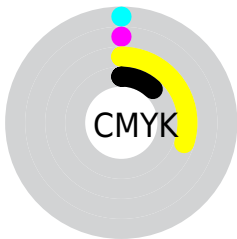
# Distribution



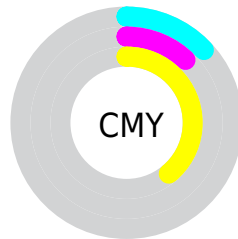
- Red (87%)
- Green (88%)
- Blue (61%)



- Red (61%)
- Yellow (88%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (30%)
- Black (12%)




- Cyan (13%)
- Magenta (12%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3996, 0.3576, 0.4048 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 71.3996, 0.3576, 0.4048 by changing the saturation by 10% instead.





 71.3996, 0.3576,  
0.4048

 71.3996, 0.3576,  
0.4048

465.4491, 0.3375,  
0.3692

 52.6684, 0.3619,  
0.4130

 121.2025, 0.3508,  
0.3924

 37.5381, 0.3672,  
0.4231


 153.0430, 0.3481,  
0.3876

 25.6244, 0.3735,  
0.4358


190.0221, 0.3457,  
0.3834

 16.5429, 0.3812,  
0.4522

232.5240, 0.3437,  
0.3798

 9.9091, 0.3905,  
0.4740

280.9333, 0.3419,  
0.3767

 5.3387, 0.4011,  
0.5036

335.6343, 0.3402,

 2.4473, 0.4300,

0.3739

0.5700

397.0115, 0.3388,  
0.3714

0.8501, 0.3907,  
0.6093

0.0000, 0.0000,  
0.0000

71.3996, 0.3576,  
0.4048

71.3996, 0.3576,  
0.4048

70.6561, 0.3718,  
0.4290

72.2896, 0.3428,  
0.3797

70.0417, 0.3848,  
0.4512


73.3237, 0.3278,  
0.3545

69.5512, 0.3960,  
0.4705

74.5115, 0.3132,  
0.3299

69.1753, 0.4049,  
0.4860


75.8595, 0.2993,  
0.3064

 68.9031, 0.4112,  
0.4973

 76.5067, 0.2938,  
0.2970

 68.7218, 0.4150,  
0.5042

 76.5639, 0.2940,  
0.2971

 68.6117, 0.4165,  
0.5075

 76.6212, 0.2943,  
0.2971

 76.6787, 0.2945,  
0.2971

 76.7362, 0.2947,  
0.2971

# Harmonies

## Analogous

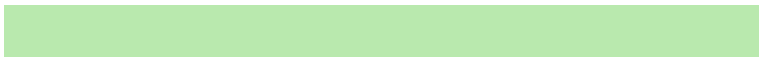
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3996, 0.3877, 0.3885



71.3996, 0.3576, 0.4048



71.3996, 0.3166, 0.3986

# Triad

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



71.3996, 0.3576, 0.4048



71.3996, 0.2348, 0.2903



71.3996, 0.3474, 0.2929

# Complementary

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



71.3996, 0.3576, 0.4048



36.3361, 0.2599, 0.2405

# 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.



71.3996, 0.3042, 0.2702



71.3996, 0.3576, 0.4048



71.3996, 0.2415, 0.2670

# Square

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



71.3996, 0.3576, 0.4048



71.3996, 0.2470, 0.3277



71.3996, 0.2660, 0.2606



71.3996, 0.3825, 0.3244



# Rectangle

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



71.3996, 0.3576, 0.4048



71.3996, 0.2890, 0.3811



71.3996, 0.2660, 0.2606



71.3996, 0.3332, 0.2841

# Sweetspot

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



71.4028, 0.3576, 0.4048



98.5399, 0.3259, 0.3512



42.0281, 0.3810, 0.3292



21.0445, 0.3281, 0.3549



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.



71.4028, 0.3576, 0.4048



95.1558, 0.3661, 0.4192



66.6727, 0.3326, 0.4114



16.0179, 0.3265, 0.3522



39.9328, 0.4166, 0.5074



2.7715, 0.4170, 0.5071



# Inverse Universe

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



36.3361, 0.2599, 0.2405



41.4483, 0.2477, 0.2202



40.1085, 0.2866, 0.2468



13.2536, 0.2983, 0.3048



3.1507, 0.1505, 0.0603

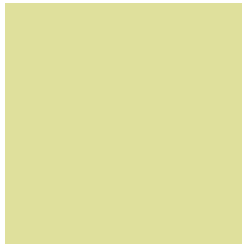


0.2221, 0.1520, 0.0611



# Previews

## White Background



This preview shows how the Yxy color 71.3996, 0.3576, 0.4048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

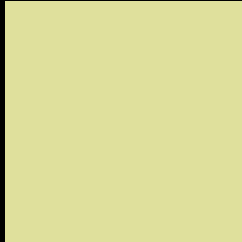
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.3996, 0.3576, 0.4048 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

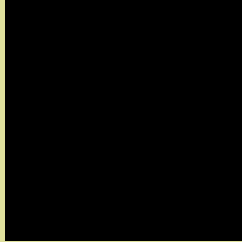
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.3996, 0.3576, 0.4048**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.3996, 0.3576, 0.4048.



This preview shows how white text looks on a background with the Yxy color 71.3996, 0.3576, 0.4048.

# 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

71.3996, 0.3576, 0.4048

### Protanopia

71.5240, 0.3712, 0.4001

### Deuteranopia

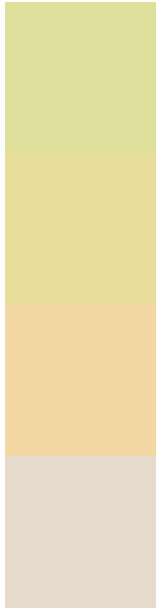
71.2115, 0.3774, 0.3735



## Tritanopia

71.0185, 0.3143, 0.3111

# Trichromacy



**Original Color**

71.3996, 0.3576, 0.4048

**Protanomaly**

71.2353, 0.3662, 0.4011

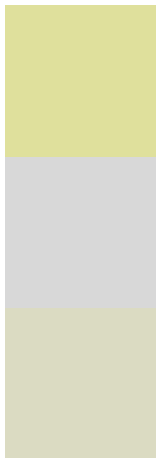
**Deuteranomaly**

70.8468, 0.3702, 0.3845

**Tritanomaly**

71.1605, 0.3303, 0.3443

# Monochromacy



**Original Color**

71.3996, 0.3576, 0.4048

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.6181, 0.3297, 0.3570

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3996, 0.3576, 0.4048 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(223, 224, 156)` looks like.

```
.text, #text, p{  
    color:rgb(223, 224, 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(223, 224, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 224, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3996, 0.3576, 0.4048 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(223, 224, 156) }
```

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

```
.border{ border-color:rgb(223, 224, 156) }
```

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

Here you see how a box with a 4 pixel rgb(223, 224, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 224, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 224, 156);  
box-shadow:4px 4px 4px 4px rgb(223, 224,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.3996, 0.3576, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 224, 156) }
```

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

```
.background{ background-color: rgb(223,  
224, 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](#).

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