

# Converting Colors

$Yxy(70.2437, 0.3473, 0.3948)$

Have a look what the booklet for  
Yxy(70.2437, 0.3473, 0.3948)  
contains.

<b>Yxy(70.2437, 0.3473, 0.3948)</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(70.2437, 0.3473, 0.3948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9DFA5
RGB	217, 223, 165
RGB Percent	85%, 87%, 65%
CMY	0.1490, 0.1255, 0.3530
CMYK	0.03, 0.00, 0.26, 0.13
HSL	66°, 48%, 76%
HSV	66°, 26%, 87%
XYZ	61.7924, 70.2437, 45.8861
YIQ	214.5940, 15.0420, -19.3100

# Conversions

## Conversions Part 2

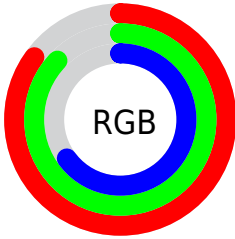
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">165, 223, 171</a>
Decimal	<a href="#">14278565</a>
CIELab	<a href="#">87.12, -11.32, 27.84</a>
CIELCh	<a href="#">87, 30.053, 112.126</a>
Yxy	<a href="#">70.2437, 0.3473, 0.3948</a>
Android (android.graphics.Color)	<a href="#">4292468645</a> ( <a href="#">0xFFD9DFA5</a> )
YUV	<a href="#">214.5940, -24.4498, 2.1101</a>
Hunter-Lab	<a href="#">83.8115, -15.0660, 26.2073</a>

# Details

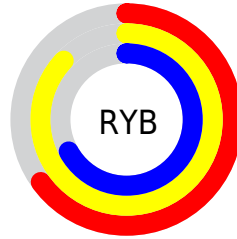
The Yxy color **70.2437, 0.3473, 0.3948** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.8855, 0.2725, 0.2558**, and the grayscale version is **67.8274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **36.8789, 0.3550, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **69.1531, 0.3602, 0.4204**, and if you desaturate by 10%, it is **71.4871, 0.3339, 0.3690**.

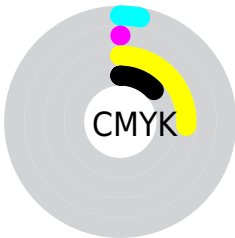
# Distribution



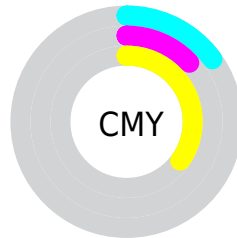
- Red (85%)
- Green (87%)
- Blue (65%)



- Red (65%)
- Yellow (87%)
- Blue (67%)



- Cyan (3%)
- Magenta (0%)
- Yellow (26%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2437, 0.3473, 0.3948 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 70.2437, 0.3473, 0.3948 by changing the saturation by 10% instead.




 70.2437, 0.3473,  
0.3948


 70.2437, 0.3473,  
0.3948


461.4052, 0.3317,  
0.3636

 51.7252, 0.3507,  
0.4021

 119.5562, 0.3420,  
0.3839

 36.7861, 0.3548,  
0.4111


 151.1191, 0.3399,  
0.3796

 25.0419, 0.3599,  
0.4225


187.7988, 0.3381,  
0.3760

 16.1083, 0.3661,  
0.4376

229.9799, 0.3365,  
0.3729

 9.6008, 0.3739,  
0.4580

278.0467, 0.3351,  
0.3701

 5.1351, 0.3833,  
0.4869

332.3836, 0.3338,

 2.3267, 0.4140,

0.3677

0.5580

393.3749, 0.3327,  
0.3655

0.7878, 0.3749,  
0.6251

0.0000, 0.0000,  
0.0000

70.2437, 0.3473,  
0.3948

70.2437, 0.3473,  
0.3948

69.1531, 0.3602,  
0.4204

71.4871, 0.3339,  
0.3690

68.1985, 0.3722,  
0.4448


72.8807, 0.3206,  
0.3437


67.3751, 0.3827,  
0.4671


74.4341, 0.3076,  
0.3196


66.6739, 0.3911,  
0.4862


76.1534, 0.2953,  
0.2969


 66.0849, 0.3970,  
0.5012


 76.5824, 0.2963,  
0.2962

 65.5965, 0.4003,  
0.5118

 76.9638, 0.2978,  
0.2964

 65.1940, 0.4011,  
0.5180

 77.3502, 0.2994,  
0.2965

 65.0478, 0.4010,  
0.5198

 77.7417, 0.3009,  
0.2967

 78.1382, 0.3025,  
0.2968

# Harmonies

## Analogous

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



70.2437, 0.3750, 0.3838



70.2437, 0.3473, 0.3948



70.2437, 0.3113, 0.3861

# Triad

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



70.2437, 0.3473, 0.3948



70.2437, 0.2446, 0.2922



70.2437, 0.3477, 0.3011

# Complementary

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



70.2437, 0.3473, 0.3948



40.8855, 0.2725, 0.2558

# Split Complementary

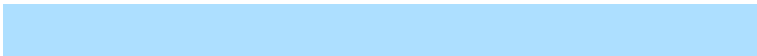
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.2437, 0.3107, 0.2797



70.2437, 0.3473, 0.3948



70.2437, 0.2528, 0.2735

# Square

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



70.2437, 0.3473, 0.3948



70.2437, 0.2531, 0.3233



70.2437, 0.2763, 0.2696



70.2437, 0.3759, 0.3296



# Rectangle

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



70.2437, 0.3473, 0.3948



70.2437, 0.2876, 0.3695



70.2437, 0.2763, 0.2696



70.2437, 0.3358, 0.2930

# Sweetspot

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



70.2468, 0.3473, 0.3948



98.3567, 0.3233, 0.3488



47.4471, 0.3664, 0.3360



20.9896, 0.3253, 0.3526



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.



70.2468, 0.3473, 0.3948



94.3934, 0.3541, 0.4082



66.2104, 0.3257, 0.3996



15.9537, 0.3251, 0.3523



38.2733, 0.4013, 0.5195



2.6739, 0.4043, 0.5172



# Inverse Universe

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



40.8855, 0.2725, 0.2558



48.4579, 0.2629, 0.2387



44.4806, 0.2960, 0.2605



13.3108, 0.2996, 0.3049



3.2633, 0.1537, 0.0620

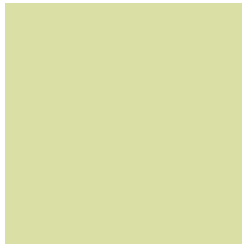


0.2495, 0.1630, 0.0671



# Previews

## White Background



This preview shows how the Yxy color 70.2437, 0.3473, 0.3948 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 70.2437, 0.3473, 0.3948 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

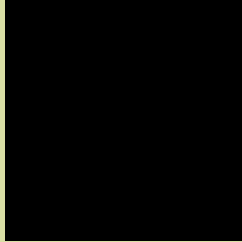
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

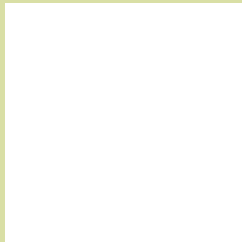
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2437, 0.3473, 0.3948**

## Background



This preview shows how black text looks on a background with the Yxy color 70.2437, 0.3473, 0.3948.



This preview shows how white text looks on a background with the Yxy color 70.2437, 0.3473, 0.3948.

# 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

70.2437, 0.3473, 0.3948

### Protanopia

70.2796, 0.3632, 0.3890

### Deuteranopia

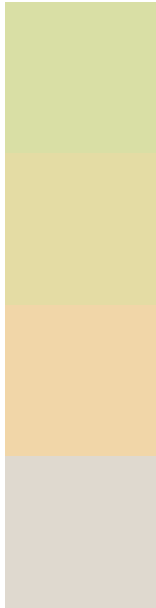
69.7255, 0.3784, 0.3705



## Tritanopia

70.0314, 0.3100, 0.3108

# Trichromacy



**Original Color**

70.2437, 0.3473, 0.3948

**Protanomaly**

70.3607, 0.3572, 0.3910

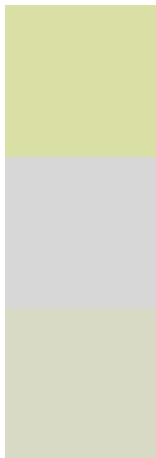
**Deuteranomaly**

69.6211, 0.3664, 0.3785

**Tritanomaly**

69.8187, 0.3239, 0.3400

# Monochromacy



**Original Color**

70.2437, 0.3473, 0.3948

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

68.7730, 0.3255, 0.3527

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2437, 0.3473, 0.3948 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(217, 223, 165)` looks like.

```
.text, #text, p{  
    color:rgb(217, 223, 165)  
}
```

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(217, 223, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 223, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2437, 0.3473, 0.3948 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(217, 223, 165) }
```

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

```
.border{ border-color:rgb(217, 223, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 223, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 223, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 223, 165);  
box-shadow:4px 4px 4px 4px rgb(217, 223,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2437, 0.3473, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 223, 165) }
```

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

```
.background{ background-color: rgb(217,  
223, 165) }
```

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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