

# Converting Colors

$Yxy(71.3239, 0.3460, 0.3982)$

Have a look what the booklet for  
Yxy(71.3239, 0.3460, 0.3982)  
contains.

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# Color

**Yxy(71.1297, 0.3467, 0.3981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8E1A4
RGB	216, 225, 164
RGB Percent	85%, 88%, 64%
CMY	0.1530, 0.1176, 0.3568
CMYK	0.04, 0.00, 0.27, 0.12
HSL	69°, 50%, 76%
HSV	69°, 27%, 88%
XYZ	61.9459, 71.1297, 45.5973
YIQ	215.3550, 14.2170, -20.8790

# Conversions

## Conversions Part 2

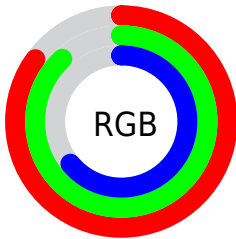
Format	Color
<a href="#">RYB</a>	<a href="#">164, 225, 173</a>
Decimal	<a href="#">14213540</a>
CIELab	<a href="#">87.55, -12.82, 28.90</a>
CIELCh	<a href="#">88, 31.616, 113.926</a>
Yxy	<a href="#">71.1297, 0.3467, 0.3981</a>
Android (android.graphics.Color)	<a href="#">4292403620</a> ( <a href="#">0xFFD8E1A4</a> )
YUV	<a href="#">215.3550, -25.3180, 0.5657</a>
Hunter-Lab	<a href="#">84.3384, -16.4854, 26.9819</a>

# Details

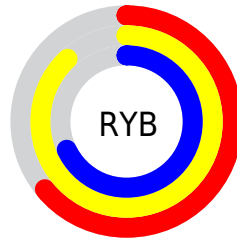
The Yxy color **71.1297, 0.3467, 0.3981** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.8844, 0.2726, 0.2527**, and the grayscale version is **68.3786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **37.4964, 0.3541, 0.4149** is the 20% darker color. If you saturate the color by 10%, you get **69.8892, 0.3588, 0.4241**, and if you desaturate by 10%, it is **72.5306, 0.3341, 0.3720**.

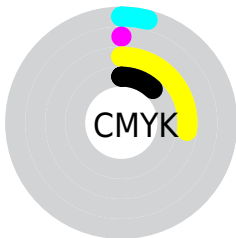
# Distribution



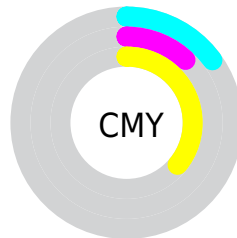
- Red (85%)
- Green (88%)
- Blue (64%)



- Red (64%)
- Yellow (88%)
- Blue (68%)



- Cyan (4%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)




- Cyan (15%)
- Magenta (12%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1297, 0.3467, 0.3981 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 71.1297, 0.3467, 0.3981 by changing the saturation by 10% instead.




 71.1297, 0.3467,  
0.3981

 71.1297, 0.3467,  
0.3981


464.5067, 0.3315,  
0.3654

 52.4480, 0.3500,  
0.4057

 120.8184, 0.3416,  
0.3866

 37.3623, 0.3539,  
0.4152


 152.5942, 0.3395,  
0.3822

 25.4882, 0.3587,  
0.4272


189.5035, 0.3377,  
0.3784

 16.4411, 0.3646,  
0.4429

231.9308, 0.3362,  
0.3751

 9.8368, 0.3718,  
0.4643

280.2603, 0.3348,  
0.3722

 5.2909, 0.3802,  
0.4945

334.8766, 0.3336,

 2.4189, 0.4091,

0.3696

0.5686

396.1639, 0.3325,  
0.3674

0.8356, 0.3654,  
0.6346

0.0000, 0.0000,  
0.0000

71.1297, 0.3467,  
0.3981

71.1297, 0.3467,  
0.3981

69.8892, 0.3588,  
0.4241

72.5306, 0.3341,  
0.3720

68.7920, 0.3698,  
0.4490

74.0894, 0.3215,  
0.3464

67.8329, 0.3792,  
0.4718


75.8161, 0.3092,  
0.3221


67.0026, 0.3866,  
0.4914


77.7167, 0.2974,  
0.2993


 66.2907, 0.3914,  
0.5069


 78.3322, 0.2990,  
0.2985

 65.6851, 0.3937,  
0.5179


 78.8956, 0.3012,  
0.2987

 65.1696, 0.3935,  
0.5245

 79.4697, 0.3034,  
0.2990

 65.0293, 0.3932,  
0.5260

 80.0544, 0.3057,  
0.2992

 80.6498, 0.3079,  
0.2994

# Harmonies

## Analogous

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



71.1297, 0.3766, 0.3875



71.1297, 0.3467, 0.3981



71.1297, 0.3088, 0.3878

# Triad

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



71.1297, 0.3467, 0.3981



71.1297, 0.2415, 0.2888



71.1297, 0.3515, 0.3015

# Complementary

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



71.1297, 0.3467, 0.3981



40.8844, 0.2726, 0.2527

# Split Complementary

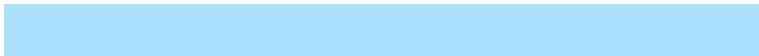
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.1297, 0.3129, 0.2786



71.1297, 0.3467, 0.3981



71.1297, 0.2511, 0.2702

# Square

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



71.1297, 0.3467, 0.3981



71.1297, 0.2494, 0.3207



71.1297, 0.2765, 0.2672



71.1297, 0.3802, 0.3313



# Rectangle

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



71.1297, 0.3467, 0.3981



71.1297, 0.2843, 0.3696



71.1297, 0.2765, 0.2672



71.1297, 0.3391, 0.2928

# Sweetspot

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



71.1329, 0.3467, 0.3981



98.1880, 0.3227, 0.3488



48.2540, 0.3688, 0.3387



20.9468, 0.3246, 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.



71.1329, 0.3467, 0.3981



93.4327, 0.3542, 0.4141



67.0217, 0.3247, 0.4032



15.9216, 0.3245, 0.3523



37.5112, 0.3936, 0.5257



2.6284, 0.3978, 0.5223



# Inverse Universe

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



40.8844, 0.2726, 0.2527



46.3909, 0.2617, 0.2327



44.6432, 0.2968, 0.2578



13.3400, 0.3003, 0.3049



3.3521, 0.1562, 0.0634

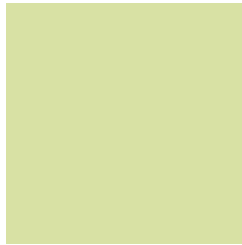


0.2633, 0.1683, 0.0701



# Previews

## White Background



This preview shows how the Yxy color 71.1297, 0.3467, 0.3981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

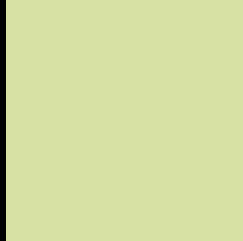
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.1297, 0.3467, 0.3981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

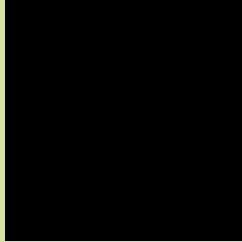
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

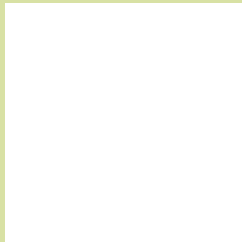
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.1297, 0.3467, 0.3981**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1297, 0.3467, 0.3981.

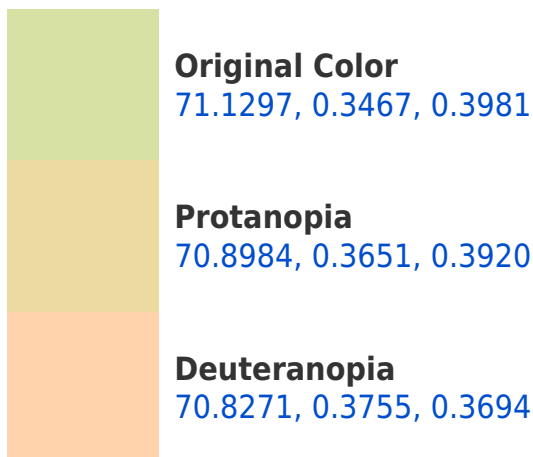


This preview shows how white text looks on a background with the Yxy color 71.1297, 0.3467, 0.3981.

# 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

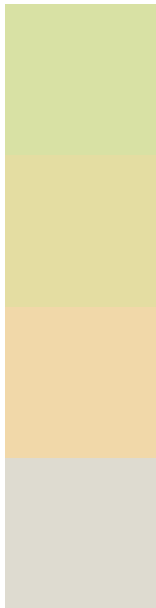




## Tritanopia

71.0025, 0.3078, 0.3109

# Trichromacy



**Original Color**

71.1297, 0.3467, 0.3981

**Protanomaly**

70.8155, 0.3583, 0.3942

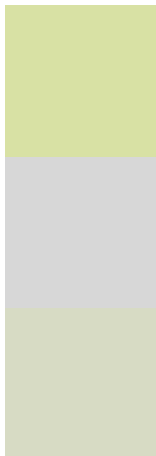
**Deuteranomaly**

70.6771, 0.3650, 0.3794

**Tritanomaly**

70.7467, 0.3223, 0.3411

# Monochromacy



**Original Color**

71.1297, 0.3467, 0.3981

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

69.0956, 0.3253, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1297, 0.3467, 0.3981 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(216, 225, 164)` looks like.

```
.text, #text, p{  
    color:rgb(216, 225, 164)  
}
```

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(216, 225, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 225, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1297, 0.3467, 0.3981 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(216, 225, 164) }
```

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

```
.border{ border-color:rgb(216, 225, 164) }
```

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

Here you see how a box with a 4 pixel rgb(216, 225, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 225, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 225, 164);  
box-shadow:4px 4px 4px 4px rgb(216, 225,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1297, 0.3467, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 225, 164) }
```

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

```
.background{ background-color: rgb(216,  
225, 164) }
```

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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