

# Converting Colors

$Yxy(73.0655, 0.3198, 0.3634)$

Have a look what the booklet for  
Yxy(73.0655, 0.3198, 0.3634)  
contains.

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# Color

**Yxy(73.2197, 0.3201, 0.3639)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2E4C5
RGB	210, 228, 197
RGB Percent	82%, 89%, 77%
CMY	0.1764, 0.1059, 0.2273
CMYK	0.08, 0.00, 0.14, 0.11
HSL	95°, 36%, 83%
HSV	95°, 14%, 89%
XYZ	64.4068, 73.2197, 63.5818
YIQ	219.0840, -0.7770, -13.4570

# Conversions

## Conversions Part 2

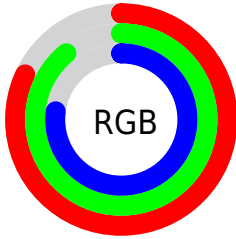
Format	Color
<a href="#">RYB</a>	<a href="#">197, 228, 215</a>
Decimal	<a href="#">13821125</a>
CIELab	<a href="#">88.55, -11.49, 13.09</a>
CIELCh	<a href="#">89, 17.417, 131.254</a>
Yxy	<a href="#">73.2197, 0.3201, 0.3639</a>
Android (android.graphics.Color)	<a href="#">4292011205</a> ( <a href="#">0xFFD2E4C5</a> )
YUV	<a href="#">219.0840, -10.8874, -7.9667</a>
Hunter-Lab	<a href="#">85.5685, -15.3893, 15.8424</a>

# Details

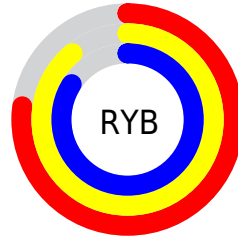
The Yxy color **73.2197, 0.3201, 0.3639** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **59.9991, 0.3044, 0.2945**, and the grayscale version is **70.9824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **38.8389, 0.3214, 0.3735** is the 20% darker color. If you saturate the color by 10%, you get **70.3915, 0.3253, 0.3923**, and if you desaturate by 10%, it is **76.3731, 0.3147, 0.3378**.

# Distribution



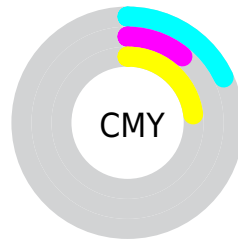
- Red (82%)
- Green (89%)
- Blue (77%)



- Red (77%)
- Yellow (89%)
- Blue (84%)



- Cyan (8%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)



- Cyan (18%)
- Magenta (11%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2197, 0.3201, 0.3639 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 73.2197, 0.3201, 0.3639 by changing the saturation by 10% instead.



■ 73.2197, 0.3201,  
0.3639

■ 73.2197, 0.3201,  
0.3639

471.7759, 0.3168,  
0.3474

■ 54.1556, 0.3208,  
0.3677

123.7891, 0.3190,  
0.3581

■ 38.7261, 0.3216,  
0.3725

156.0631, 0.3186,  
0.3559

■ 26.5467, 0.3227,  
0.3786

193.5093, 0.3182,  
0.3540

■ 17.2331, 0.3239,  
0.3868

236.5120, 0.3179,  
0.3523

■ 10.4008, 0.3255,  
0.3980

285.4556, 0.3176,  
0.3509

■ 5.6655, 0.3276,  
0.4147

340.7246, 0.3173,

■ 2.6428, 0.3300,

0.3496

0.4417

402.7032, 0.3171,  
0.3485

0.9482, 0.3681,  
0.5633

0.0000, 0.0000,  
0.0000

73.2197, 0.3201,  
0.3639

73.2197, 0.3201,  
0.3639

70.3915, 0.3253,  
0.3923

76.3731, 0.3147,  
0.3378

67.8679, 0.3300,  
0.4224

79.8526, 0.3092,  
0.3141

65.6407, 0.3339,  
0.4535

82.9807, 0.3104,  
0.3026

63.6973, 0.3365,  
0.4844

83.9655, 0.3139,  
0.3029

■ 62.0242, 0.3375,  
0.5134

■ 60.6067, 0.3366,  
0.5388

■ 59.4279, 0.3337,  
0.5592

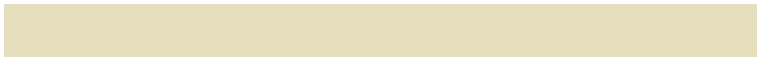
■ 58.4686, 0.3290,  
0.5734

■ 57.9512, 0.3254,  
0.5798

# Harmonies

## Analogous

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



73.2197, 0.3395, 0.3654



73.2197, 0.3201, 0.3639



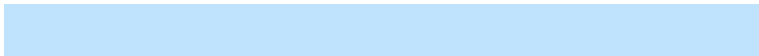
73.2197, 0.2992, 0.3521

# Triad

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



73.2197, 0.3201, 0.3639



73.2197, 0.2748, 0.3002



73.2197, 0.3438, 0.3235

# Complementary

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



73.2197, 0.3201, 0.3639



59.9991, 0.3044, 0.2945

# 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.



73.2197, 0.3255, 0.3075



73.2197, 0.3201, 0.3639



73.2197, 0.2859, 0.2941

# Square

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



73.2197, 0.3201, 0.3639



73.2197, 0.2735, 0.3144



73.2197, 0.3043, 0.2968



73.2197, 0.3536, 0.3414



# Rectangle

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



73.2197, 0.3201, 0.3639



73.2197, 0.2872, 0.3401



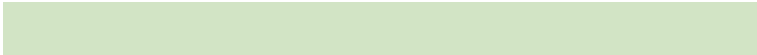
73.2197, 0.3043, 0.2968



73.2197, 0.3384, 0.3178

# Sweetspot

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



73.2229, 0.3201, 0.3639



98.2543, 0.3149, 0.3389



68.9141, 0.3350, 0.3483



20.9618, 0.3153, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

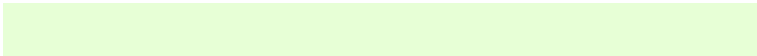


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2229, 0.3201, 0.3639



93.4257, 0.3214, 0.3709



71.4888, 0.3097, 0.3624



16.3829, 0.3179, 0.3528



33.5301, 0.3265, 0.5789



2.5313, 0.3380, 0.5698



# Inverse Universe

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



59.9991, 0.3044, 0.2945



73.5727, 0.3026, 0.2878



61.9296, 0.3158, 0.2977



14.2984, 0.3071, 0.3054



6.1564, 0.2192, 0.0981

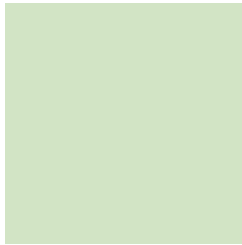


0.5093, 0.2336, 0.1060



# Previews

## White Background



This preview shows how the Yxy color 73.2197, 0.3201, 0.3639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

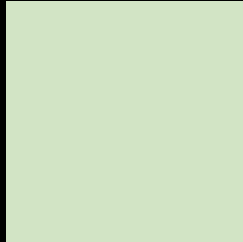
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2197, 0.3201, 0.3639 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

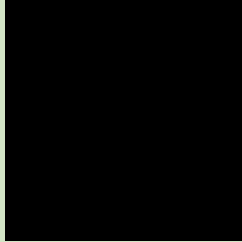
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

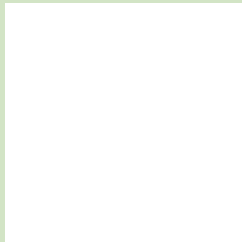
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.2197, 0.3201, 0.3639**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2197, 0.3201, 0.3639.

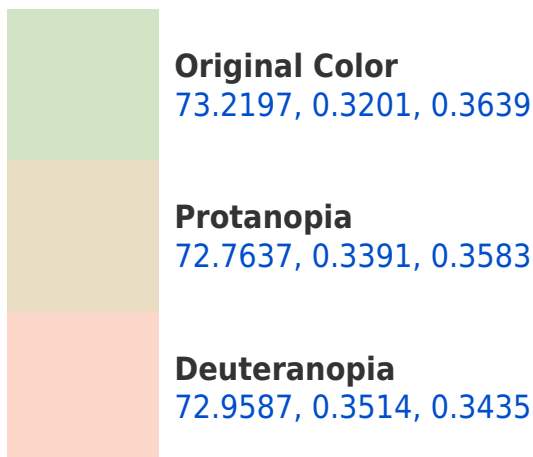


This preview shows how white text looks on a background with the Yxy color 73.2197, 0.3201, 0.3639.

# 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

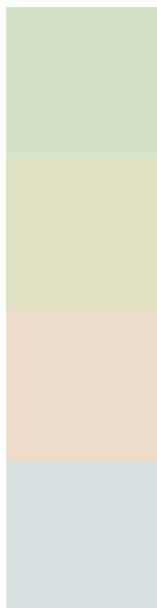




## Tritanopia

73.2855, 0.2978, 0.3097

# Trichromacy



## Original Color

73.2197, 0.3201, 0.3639

## Protanomaly

73.0987, 0.3320, 0.3609

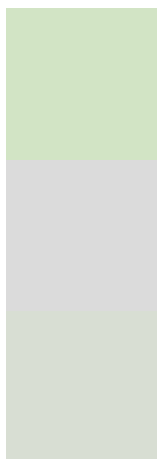
## Deuteranomaly

72.7911, 0.3397, 0.3504

## Tritanomaly

72.9893, 0.3058, 0.3290

# Monochromacy



## Original Color

73.2197, 0.3201, 0.3639

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.5446, 0.3157, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2197, 0.3201, 0.3639 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(210, 228, 197)` looks like.

```
.text, #text, p{  
    color:rgb(210, 228, 197)  
}
```

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(210, 228, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 228, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2197, 0.3201, 0.3639 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(210, 228, 197) }
```

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

```
.border{ border-color:rgb(210, 228, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 228, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 228, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 228, 197);  
box-shadow:4px 4px 4px 4px rgb(210, 228,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2197, 0.3201, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 228, 197) }
```

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

```
.background{ background-color: rgb(210,  
228, 197) }
```

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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