

# Converting Colors

$Yxy(73.0343, 0.3264, 0.3815)$

Have a look what the booklet for  
Yxy(73.0343, 0.3264, 0.3815)  
contains.

<b>Yxy(73.3197, 0.3261, 0.3815)</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(73.3197, 0.3261, 0.3815)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFE6B8
RGB	207, 230, 184
RGB Percent	81%, 90%, 72%
CMY	0.1884, 0.0980, 0.2784
CMYK	0.10, 0.00, 0.20, 0.10
HSL	90°, 48%, 81%
HSV	90°, 20%, 90%
XYZ	62.6725, 73.3197, 56.1958
YIQ	217.8790, 1.0580, -19.1820

# Conversions

## Conversions Part 2

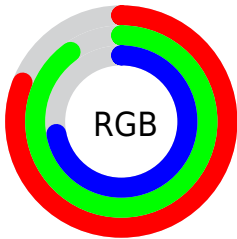
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 230, 207
Decimal	13625016
CIELab	88.60, -15.67, 19.92
CIELCh	89, 25.342, 128.190
Yxy	73.3197, 0.3261, 0.3815
Android (android.graphics.Color)	4291815096 (0xFFCFE6B8)
YUV	217.8790, -16.7023, -9.5409
Hunter-Lab	85.6269, -19.1985, 21.0276

# Details

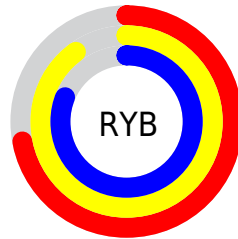
The Yxy color **73.3197, 0.3261, 0.3815** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.2687, 0.2969, 0.2766**, and the grayscale version is **70.1376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **38.5862, 0.3284, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **70.8360, 0.3324, 0.4105**, and if you desaturate by 10%, it is **76.0878, 0.3195, 0.3542**.

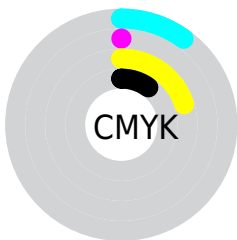
# Distribution



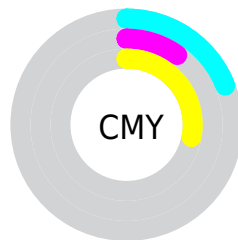
- Red (81%)
- Green (90%)
- Blue (72%)



- Red (72%)
- Yellow (90%)
- Blue (81%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (10%)




- Cyan (19%)
- Magenta (10%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3197, 0.3261, 0.3815 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 73.3197, 0.3261, 0.3815 by changing the saturation by 10% instead.





 73.3197, 0.3261,  
0.3815

 73.3197, 0.3261,  
0.3815


472.1221, 0.3203,  
0.3566

 54.2374, 0.3273,  
0.3873


 123.9310, 0.3242,  
0.3727

 38.7915, 0.3288,  
0.3946


156.2287, 0.3234,  
0.3694

 26.5976, 0.3305,  
0.4040


193.7004, 0.3227,  
0.3665

 17.2712, 0.3326,  
0.4164

236.7305, 0.3221,  
0.3640

 10.4281, 0.3351,  
0.4335

285.7033, 0.3216,  
0.3618

 5.6837, 0.3379,  
0.4588

341.0032, 0.3211,

 2.6537, 0.3404,

0.3598

0.4996

403.0147, 0.3207,  
0.3581

0.9537, 0.3539,  
0.6461

0.0000, 0.0000,  
0.0000

73.3197, 0.3261,  
0.3815

73.3197, 0.3261,  
0.3815

70.8360, 0.3324,  
0.4105

76.0878, 0.3195,  
0.3542

68.6169, 0.3379,  
0.4405

79.1402, 0.3127,  
0.3290

66.6548, 0.3423,  
0.4705

82.4893, 0.3061,  
0.3061

64.9380, 0.3451,  
0.4990

84.7157, 0.3125,  
0.3048

■ 63.4536, 0.3458,  
0.5246

■ 85.0822, 0.3138,  
0.3049

■ 62.1872, 0.3444,  
0.5457

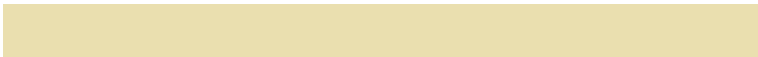
■ 61.1221, 0.3408,  
0.5614

■ 60.2319, 0.3355,  
0.5718

# Harmonies

## Analogous

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



73.3197, 0.3538, 0.3813



73.3197, 0.3261, 0.3815



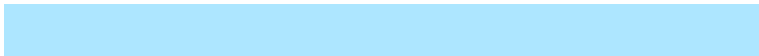
73.3197, 0.2958, 0.3655

# Triad

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



73.3197, 0.3261, 0.3815



73.3197, 0.2575, 0.2886



73.3197, 0.3558, 0.3182

# Complementary

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



73.3197, 0.3261, 0.3815



53.2687, 0.2969, 0.2766

# 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.



73.3197, 0.3280, 0.2962



73.3197, 0.3261, 0.3815



73.3197, 0.2717, 0.2791

# Square

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



73.3197, 0.3261, 0.3815



73.3197, 0.2571, 0.3098



73.3197, 0.2971, 0.2822



73.3197, 0.3717, 0.3435



# Rectangle

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



73.3197, 0.3261, 0.3815



73.3197, 0.2781, 0.3480



73.3197, 0.2971, 0.2822



73.3197, 0.3474, 0.3102

# Sweetspot

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



73.3229, 0.3261, 0.3815



97.6285, 0.3168, 0.3439



64.9159, 0.3475, 0.3546



20.8430, 0.3172, 0.3456



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

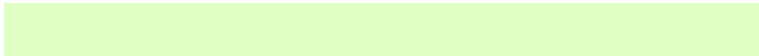


# Same Dimension

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



73.3229, 0.3261, 0.3815



91.3075, 0.3288, 0.3933



70.2534, 0.3101, 0.3841



16.4406, 0.3191, 0.3528



34.1675, 0.3366, 0.5709



2.5801, 0.3477, 0.5621



# Inverse Universe

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



53.2687, 0.2969, 0.2766



61.6358, 0.2930, 0.2648



56.8210, 0.3150, 0.2794



14.2401, 0.3058, 0.3053



5.3796, 0.2028, 0.0891

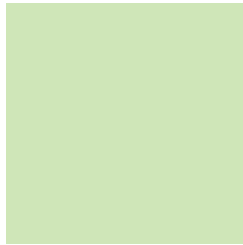


0.4528, 0.2186, 0.0978



# Previews

## White Background



This preview shows how the Yxy color 73.3197, 0.3261, 0.3815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

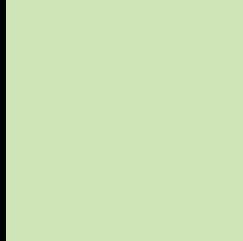
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.3197, 0.3261, 0.3815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

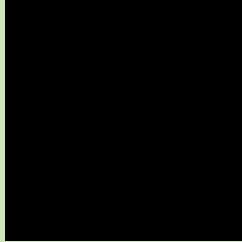
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

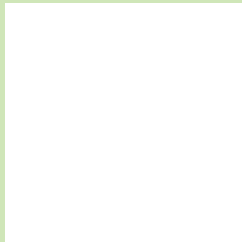
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.3197, 0.3261, 0.3815**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.3197, 0.3261, 0.3815.

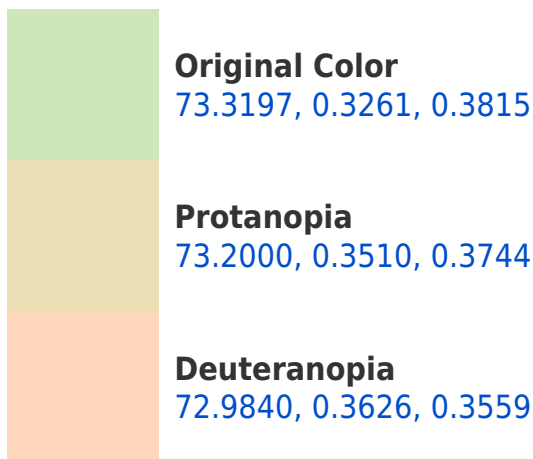


This preview shows how white text looks on a background with the Yxy color 73.3197, 0.3261, 0.3815.

# 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

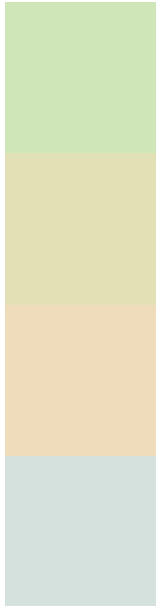




## Tritanopia

72.9809, 0.2965, 0.3096

# Trichromacy



**Original Color**

73.3197, 0.3261, 0.3815

**Protanomaly**

73.1942, 0.3421, 0.3776

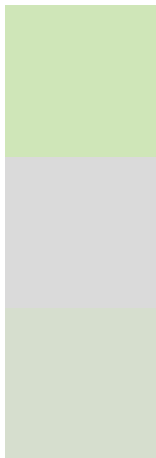
**Deuteranomaly**

72.9514, 0.3488, 0.3644

**Tritanomaly**

73.0148, 0.3069, 0.3345

# Monochromacy



**Original Color**

73.3197, 0.3261, 0.3815

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

70.9949, 0.3176, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3197, 0.3261, 0.3815 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(207, 230, 184)` looks like.

```
.text, #text, p{  
    color:rgb(207, 230, 184)  
}
```

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(207, 230, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 230, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3197, 0.3261, 0.3815 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(207, 230, 184) }
```

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

```
.border{ border-color:rgb(207, 230, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 230, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 230, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 230, 184);  
box-shadow:4px 4px 4px 4px rgb(207, 230,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3197, 0.3261, 0.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 230, 184) }
```

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

```
.background{ background-color: rgb(207,  
230, 184) }
```

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