

# Converting Colors

$Yxy(71.8141, 0.3259, 0.3786)$

Have a look what the booklet for  
Yxy(71.8141, 0.3259, 0.3786)  
contains.

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# Color

**Yxy(71.5207, 0.3258, 0.3784)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEE3B8
RGB	206, 227, 184
RGB Percent	81%, 89%, 72%
CMY	0.1921, 0.1098, 0.2784
CMYK	0.09, 0.00, 0.19, 0.11
HSL	89°, 43%, 81%
HSV	89°, 19%, 89%
XYZ	61.5789, 71.5207, 55.9086
YIQ	215.8190, 1.2870, -17.8250

# Conversions

## Conversions Part 2

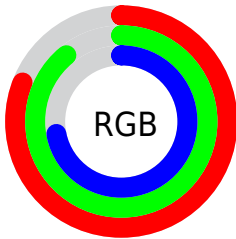
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 227, 205
Decimal	13558712
CIELab	87.74, -14.50, 18.70
CIELCh	88, 23.664, 127.776
Yxy	71.5207, 0.3258, 0.3784
Android (android.graphics.Color)	4291748792 (0xFFCEE3B8)
YUV	215.8190, -15.6868, -8.6113
Hunter-Lab	84.5699, -18.0241, 20.0027

# Details

The Yxy color **71.5207, 0.3258, 0.3784** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.8061, 0.2974, 0.2796**, and the grayscale version is **68.6519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **37.7231, 0.3278, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **69.1168, 0.3323, 0.4071**, and if you desaturate by 10%, it is **74.1953, 0.3189, 0.3514**.

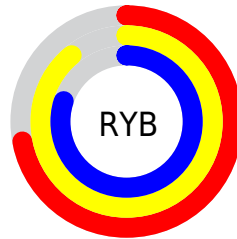
# Distribution



Red (81%)

Green (89%)

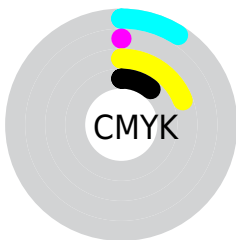
Blue (72%)



Red (72%)

Yellow (89%)

Blue (80%)

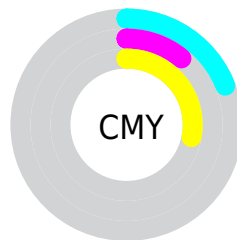


Cyan (9%)

Magenta (0%)

Yellow (19%)

Black (11%)



Cyan (19%)

Magenta (11%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5207, 0.3258, 0.3784 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 71.5207, 0.3258, 0.3784 by changing the saturation by 10% instead.





 71.5207, 0.3258,  
0.3784

 71.5207, 0.3258,  
0.3784

465.8716, 0.3200,  
0.3549

 52.7672, 0.3270,  
0.3839

 121.3748, 0.3239,  
0.3701

 37.6170, 0.3285,  
0.3908


153.2443, 0.3231,  
0.3669

 25.6856, 0.3303,  
0.3997


190.2546, 0.3224,  
0.3642

 16.5886, 0.3324,  
0.4115

232.7900, 0.3218,  
0.3618

 9.9416, 0.3351,  
0.4280

281.2351, 0.3213,  
0.3598

 5.3602, 0.3382,  
0.4524

335.9741, 0.3208,

 2.4601, 0.3415,

0.3580

0.4923

397.3915, 0.3204,  
0.3563

0.8566, 0.3495,  
0.6505

0.0000, 0.0000,  
0.0000

71.5207, 0.3258,  
0.3784

71.5207, 0.3258,  
0.3784

69.1168, 0.3323,  
0.4071

74.1953, 0.3189,  
0.3514

66.9647, 0.3382,  
0.4369

77.1403, 0.3120,  
0.3265

65.0574, 0.3429,  
0.4667

80.3673, 0.3052,  
0.3038

63.3837, 0.3461,  
0.4952

82.5424, 0.3108,  
0.3016

■ 61.9316, 0.3473,  
0.5210

■ 83.4181, 0.3140,  
0.3019

■ 60.6875, 0.3463,  
0.5425

■ 59.6358, 0.3430,  
0.5586

■ 58.7538, 0.3379,  
0.5693

■ 58.6673, 0.3374,  
0.5703

# Harmonies

## Analogous

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



71.5207, 0.3517, 0.3781



71.5207, 0.3258, 0.3784



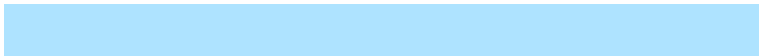
71.5207, 0.2972, 0.3635

# Triad

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



71.5207, 0.3258, 0.3784



71.5207, 0.2605, 0.2912



71.5207, 0.3529, 0.3185

# Complementary

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



71.5207, 0.3258, 0.3784



52.8061, 0.2974, 0.2796

# 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.



71.5207, 0.3267, 0.2978



71.5207, 0.3258, 0.3784



71.5207, 0.2738, 0.2820

# Square

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



71.5207, 0.3258, 0.3784



71.5207, 0.2603, 0.3114



71.5207, 0.2977, 0.2846



71.5207, 0.3681, 0.3425



# Rectangle

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



71.5207, 0.3258, 0.3784



71.5207, 0.2804, 0.3473



71.5207, 0.2977, 0.2846



71.5207, 0.3451, 0.3110

# Sweetspot

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



71.5238, 0.3258, 0.3784



97.6649, 0.3169, 0.3439



63.3521, 0.3455, 0.3524



20.8516, 0.3174, 0.3456



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

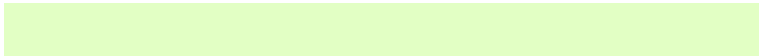


# Same Dimension

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



71.5238, 0.3258, 0.3784



91.7521, 0.3286, 0.3903



68.6787, 0.3108, 0.3807



16.4501, 0.3193, 0.3527



34.2848, 0.3384, 0.5695



2.5888, 0.3494, 0.5608



# Inverse Universe

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



52.8061, 0.2974, 0.2796



62.8603, 0.2934, 0.2676



56.0438, 0.3143, 0.2820



14.2306, 0.3056, 0.3052



5.2654, 0.2002, 0.0877

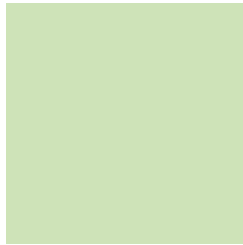


0.4442, 0.2162, 0.0965



# Previews

## White Background



This preview shows how the Yxy color 71.5207, 0.3258, 0.3784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

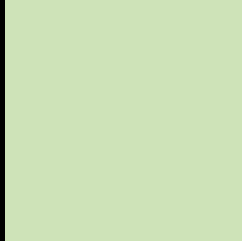
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.5207, 0.3258, 0.3784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

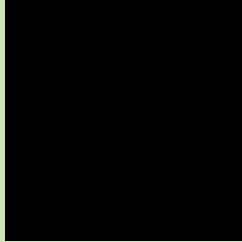
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

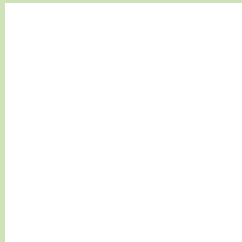
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.5207, 0.3258, 0.3784**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5207, 0.3258, 0.3784.

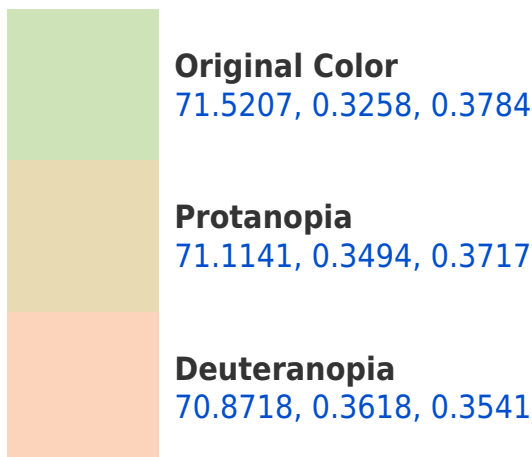


This preview shows how white text looks on a background with the Yxy color 71.5207, 0.3258, 0.3784.

# 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

71.5970, 0.2976, 0.3106

# Trichromacy



## Original Color

71.5207, 0.3258, 0.3784

## Protanomaly

71.2667, 0.3412, 0.3747

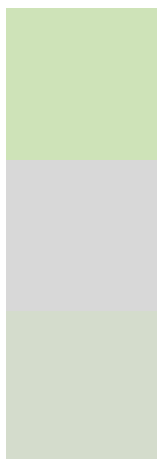
## Deuteranomaly

70.8330, 0.3478, 0.3627

## Tritanomaly

71.6862, 0.3076, 0.3345

# Monochromacy



## Original Color

71.5207, 0.3258, 0.3784

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.5431, 0.3176, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5207, 0.3258, 0.3784 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(206, 227, 184)` looks like.

```
.text, #text, p{  
    color:rgb(206, 227, 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(206, 227, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 227, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5207, 0.3258, 0.3784 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(206, 227, 184) }
```

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

```
.border{ border-color:rgb(206, 227, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 227, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 227, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 227, 184);  
box-shadow:4px 4px 4px 4px rgb(206, 227,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5207, 0.3258, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 227, 184) }
```

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

```
.background{ background-color: rgb(206,  
227, 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](#).

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