

# Converting Colors

$Yxy(70.6411, 0.3301, 0.3744)$

Have a look what the booklet for  
Yxy(70.6411, 0.3301, 0.3744)  
contains.

<b>Yxy(70.6209, 0.3298, 0.3747)</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(70.6209, 0.3298, 0.3747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3E0B8
RGB	211, 224, 184
RGB Percent	83%, 88%, 72%
CMY	0.1728, 0.1215, 0.2785
CMYK	0.06, 0.00, 0.18, 0.12
HSL	80°, 39%, 80%
HSV	80°, 18%, 88%
XYZ	62.1585, 70.6209, 55.6938
YIQ	215.5530, 5.0920, -15.1960

# Conversions

## Conversions Part 2

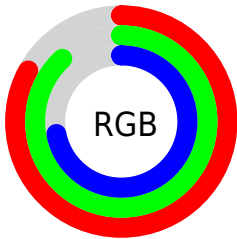
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 224, 197
Decimal	13885624
CIELab	87.30, -11.26, 18.16
CIELCh	87, 21.364, 121.806
Yxy	70.6209, 0.3298, 0.3747
Android (android.graphics.Color)	4292075704 (0xFFD3E0B8)
YUV	215.5530, -15.5556, -3.9930
Hunter-Lab	84.0362, -15.0337, 19.5318

# Details

The Yxy color **70.6209, 0.3298, 0.3747** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.5368, 0.2934, 0.2819**, and the grayscale version is **68.4503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **37.0825, 0.3332, 0.3862** is the 20% darker color. If you saturate the color by 10%, you get **68.7019, 0.3392, 0.4021**, and if you desaturate by 10%, it is **72.7440, 0.3202, 0.3485**.

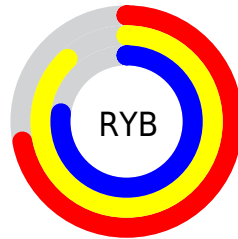
# Distribution



Red (83%)

Green (88%)

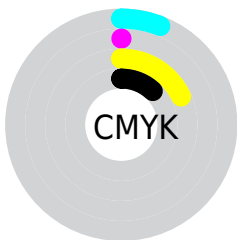
Blue (72%)



Red (72%)

Yellow (88%)

Blue (77%)

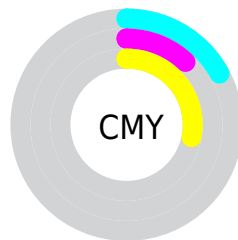


Cyan (6%)

Magenta (0%)

Yellow (18%)

Black (12%)



Cyan (17%)

Magenta (12%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6209, 0.3298, 0.3747 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 70.6209, 0.3298, 0.3747 by changing the saturation by 10% instead.





 70.6209, 0.3298,  
0.3747

 70.6209, 0.3298,  
0.3747

462.7271, 0.3221,  
0.3530

 52.0329, 0.3315,  
0.3798


 120.0938, 0.3272,  
0.3671

 37.0313, 0.3336,  
0.3861


151.7474, 0.3261,  
0.3641

 25.2317, 0.3361,  
0.3943


188.5251, 0.3252,  
0.3616

 16.2498, 0.3393,  
0.4051

230.8111, 0.3245,  
0.3594

 9.7011, 0.3435,  
0.4202

278.9899, 0.3238,  
0.3575

 5.2012, 0.3489,  
0.4424

333.4459, 0.3231,

 2.3658, 0.3561,

0.3558

0.4787

394.5635, 0.3226,  
0.3543

0.8082, 0.3790,  
0.6210

0.0000, 0.0000,  
0.0000

70.6209, 0.3298,  
0.3747

70.6209, 0.3298,  
0.3747

68.7019, 0.3392,  
0.4021

72.7440, 0.3202,  
0.3485

66.9702, 0.3479,  
0.4301

75.0691, 0.3107,  
0.3239

65.4206, 0.3556,  
0.4576

77.6061, 0.3015,  
0.3013

64.0441, 0.3617,  
0.4834

79.1053, 0.3041,  
0.2980

■ 62.8311, 0.3657,  
0.5065

■ 80.4132, 0.3090,  
0.2985

■ 61.7703, 0.3673,  
0.5254

■ 81.7734, 0.3140,  
0.2990

■ 60.8488, 0.3663,  
0.5396

■ 81.8029, 0.3141,  
0.2990

■ 60.0489, 0.3630,  
0.5489

■ 59.8887, 0.3622,  
0.5506

# Harmonies

## Analogous

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



70.6209, 0.3519, 0.3720



70.6209, 0.3298, 0.3747



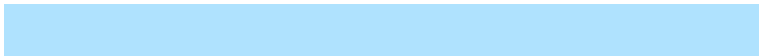
70.6209, 0.3037, 0.3638

# Triad

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



70.6209, 0.3298, 0.3747



70.6209, 0.2641, 0.2977



70.6209, 0.3450, 0.3154

# Complementary

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



70.6209, 0.3298, 0.3747



51.5368, 0.2934, 0.2819

# 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.



70.6209, 0.3202, 0.2975



70.6209, 0.3298, 0.3747



70.6209, 0.2740, 0.2870

# Square

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



70.6209, 0.3298, 0.3747



70.6209, 0.2665, 0.3177



70.6209, 0.2943, 0.2872



70.6209, 0.3612, 0.3371



# Rectangle

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



70.6209, 0.3298, 0.3747



70.6209, 0.2877, 0.3502



70.6209, 0.2943, 0.2872



70.6209, 0.3374, 0.3088

# Sweetspot

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



70.6240, 0.3298, 0.3747



98.4246, 0.3175, 0.3413



59.0909, 0.3447, 0.3436



21.0207, 0.3182, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

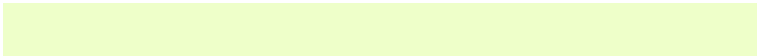


# Same Dimension

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



70.6240, 0.3298, 0.3747



93.8509, 0.3329, 0.3836



67.9017, 0.3156, 0.3768



15.7936, 0.3217, 0.3525



34.9168, 0.3631, 0.5499



2.4681, 0.3719, 0.5429



# Inverse Universe

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



51.5368, 0.2934, 0.2819



64.2540, 0.2893, 0.2724



54.3612, 0.3089, 0.2840



13.4596, 0.3031, 0.3051



4.0162, 0.1739, 0.0732

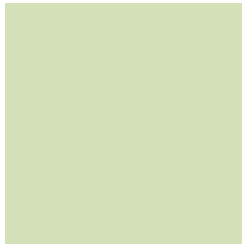


0.3257, 0.1909, 0.0825



# Previews

## White Background



This preview shows how the Yxy color 70.6209, 0.3298, 0.3747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

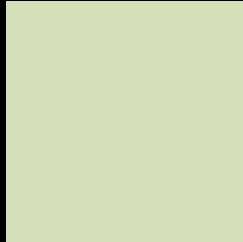
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6209, 0.3298, 0.3747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

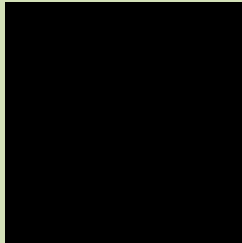
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

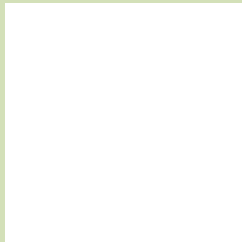
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.6209, 0.3298, 0.3747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6209, 0.3298, 0.3747.

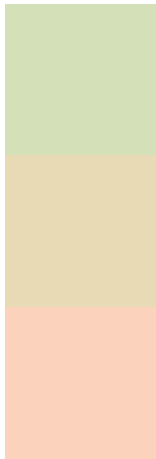


This preview shows how white text looks on a background with the Yxy color 70.6209, 0.3298, 0.3747.

# 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

70.6209, 0.3298, 0.3747

### Protanopia

70.4679, 0.3481, 0.3696

### Deuteranopia

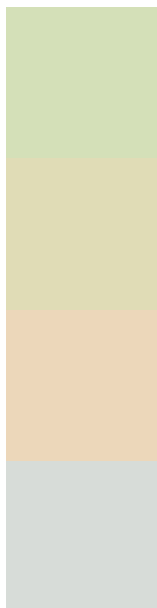
70.1903, 0.3612, 0.3531



## Tritanopia

70.4716, 0.3023, 0.3106

# Trichromacy



## Original Color

70.6209, 0.3298, 0.3747

## Protanomaly

70.4111, 0.3416, 0.3713

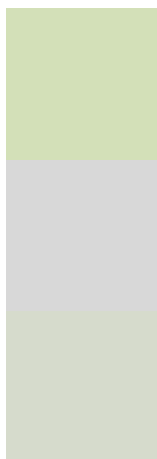
## Deuteranomaly

69.9789, 0.3490, 0.3605

## Tritanomaly

70.5913, 0.3118, 0.3334

# Monochromacy



## Original Color

70.6209, 0.3298, 0.3747

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.3188, 0.3191, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6209, 0.3298, 0.3747 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(211, 224, 184)` looks like.

```
.text, #text, p{  
    color:rgb(211, 224, 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(211, 224, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 224, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6209, 0.3298, 0.3747 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(211, 224, 184) }
```

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

```
.border{ border-color:rgb(211, 224, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 224, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 224, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 224, 184);  
box-shadow:4px 4px 4px 4px rgb(211, 224,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6209, 0.3298, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 224, 184) }
```

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

```
.background{ background-color: rgb(211,  
224, 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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