

# Converting Colors

$Yxy(74.3210, 0.3316, 0.3932)$

Have a look what the booklet for  
Yxy(74.3210, 0.3316, 0.3932)  
contains.

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# Color

**Yxy(74.2577, 0.3317, 0.3928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0E8B0
RGB	208, 232, 176
RGB Percent	82%, 91%, 69%
CMY	0.1842, 0.0902, 0.3099
CMYK	0.10, 0.00, 0.24, 0.09
HSL	86°, 55%, 80%
HSV	86°, 24%, 91%
XYZ	62.7069, 74.2577, 52.0825
YIQ	218.4400, 3.6720, -22.5040

# Conversions

## Conversions Part 2

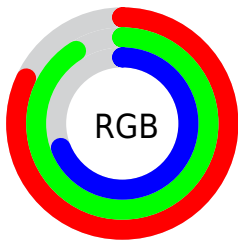
Format	Color
<a href="#">RYB</a>	<a href="#">176, 232, 200</a>
Decimal	<a href="#">13691056</a>
CIELab	<a href="#">89.04, -17.50, 24.70</a>
CIELCh	<a href="#">89, 30.270, 125.325</a>
Yxy	<a href="#">74.2577, 0.3317, 0.3928</a>
Android (android.graphics.Color)	<a href="#">4291881136 (0xFFD0E8B0)</a>
YUV	<a href="#">218.4400, -20.9229, -9.1559</a>
Hunter-Lab	<a href="#">86.1729, -20.9104, 24.4865</a>

# Details

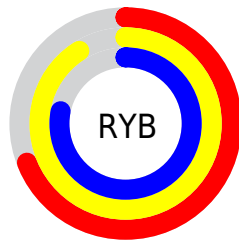
The Yxy color **74.2577, 0.3317, 0.3928** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **49.1344, 0.2897, 0.2641**, and the grayscale version is **70.5782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **39.2530, 0.3354, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **72.0254, 0.3390, 0.4217**, and if you desaturate by 10%, it is **76.7436, 0.3239, 0.3651**.

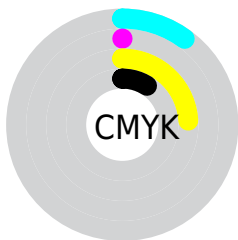
# Distribution



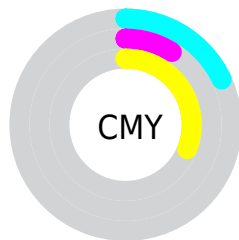
- Red (82%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (78%)



- Cyan (10%)
- Magenta (0%)
- Yellow (24%)
- Black (9%)




- Cyan (18%)
- Magenta (9%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2577, 0.3317, 0.3928 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 74.2577, 0.3317, 0.3928 by changing the saturation by 10% instead.





 74.2577, 0.3317,  
0.3928

 74.2577, 0.3317,  
0.3928


475.3623, 0.3235,  
0.3625

 55.0050, 0.3334,  
0.3999


 125.2610, 0.3290,  
0.3822

 39.4057, 0.3354,  
0.4087


157.7805, 0.3279,  
0.3781

 27.0755, 0.3378,  
0.4200


195.4909, 0.3269,  
0.3745

 17.6299, 0.3406,  
0.4349

238.7768, 0.3261,  
0.3715

 10.6846, 0.3439,  
0.4554

288.0225, 0.3253,  
0.3688

 5.8552, 0.3473,  
0.4851

343.6123, 0.3246,

 2.7572, 0.3525,

0.3665

405.9308, 0.3240,  
0.3644

0.5367

1.0063, 0.3426,  
0.6574

0.0000, 0.0000,  
0.0000

74.2577, 0.3317,  
0.3928

74.2577, 0.3317,  
0.3928

72.0254, 0.3390,  
0.4217

76.7436, 0.3239,  
0.3651

70.0272, 0.3453,  
0.4509

79.4822, 0.3160,  
0.3392

68.2560, 0.3503,  
0.4792

82.4854, 0.3082,  
0.3153

66.7007, 0.3534,  
0.5054

84.8426, 0.3089,  
0.3065

■ 65.3485, 0.3543,  
0.5280

■ 86.1947, 0.3138,  
0.3068

■ 64.1851, 0.3527,  
0.5458

■ 63.1935, 0.3489,  
0.5582

■ 62.6787, 0.3460,  
0.5635

# Harmonies

## Analogous

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



74.2577, 0.3639, 0.3901



74.2577, 0.3317, 0.3928



74.2577, 0.2956, 0.3754

# Triad

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



74.2577, 0.3317, 0.3928



74.2577, 0.2468, 0.2827



74.2577, 0.3613, 0.3133

# Complementary

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



74.2577, 0.3317, 0.3928



49.1344, 0.2897, 0.2641

# Split Complementary

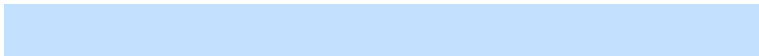
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2577, 0.3272, 0.2884



74.2577, 0.3317, 0.3928



74.2577, 0.2620, 0.2705

# Square

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



74.2577, 0.3317, 0.3928



74.2577, 0.2480, 0.3087



74.2577, 0.2908, 0.2730



74.2577, 0.3821, 0.3428



# Rectangle

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



74.2577, 0.3317, 0.3928



74.2577, 0.2743, 0.3549



74.2577, 0.2908, 0.2730



74.2577, 0.3509, 0.3042

# Sweetspot

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



74.2609, 0.3317, 0.3928



97.4832, 0.3183, 0.3465



61.2805, 0.3571, 0.3552



20.8206, 0.3188, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

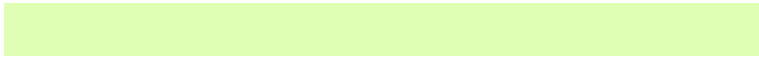


# Same Dimension

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



74.2609, 0.3317, 0.3928



90.6027, 0.3354, 0.4071



70.6273, 0.3126, 0.3967



16.4940, 0.3202, 0.3527



34.8717, 0.3471, 0.5626



2.6314, 0.3573, 0.5545



# Inverse Universe

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



49.1344, 0.2897, 0.2641



54.3887, 0.2839, 0.2493



53.2478, 0.3117, 0.2683



14.1871, 0.3047, 0.3052



4.7868, 0.1894, 0.0817

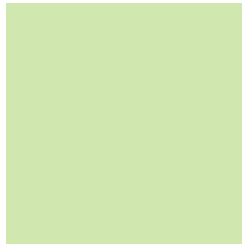


0.4076, 0.2057, 0.0907



# Previews

## White Background



This preview shows how the Yxy color 74.2577, 0.3317, 0.3928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

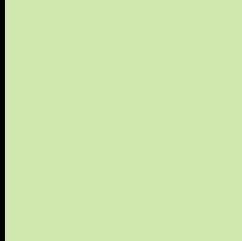
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2577, 0.3317, 0.3928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

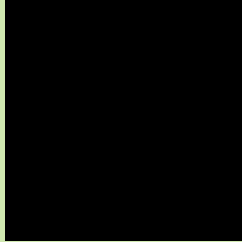
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

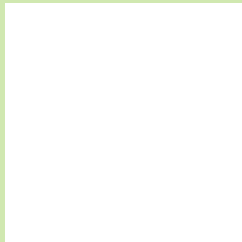
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.2577, 0.3317, 0.3928**

## Background



This preview shows how black text looks on a background with the Yxy color 74.2577, 0.3317, 0.3928.

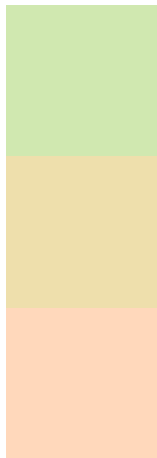


This preview shows how white text looks on a background with the Yxy color 74.2577, 0.3317, 0.3928.

# 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

74.2577, 0.3317, 0.3928

### Protanopia

73.9311, 0.3586, 0.3837

### Deuteranopia

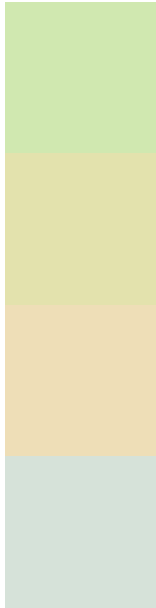
73.9596, 0.3628, 0.3589



## Tritanopia

73.8779, 0.2972, 0.3098

# Trichromacy



**Original Color**

74.2577, 0.3317, 0.3928

**Protanomaly**

73.7407, 0.3488, 0.3872

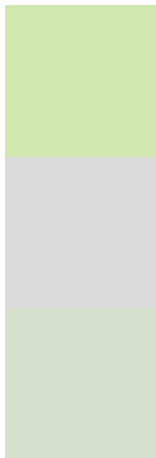
**Deuteranomaly**

73.8386, 0.3512, 0.3708

**Tritanomaly**

73.6986, 0.3102, 0.3389

# Monochromacy



**Original Color**

74.2577, 0.3317, 0.3928

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

71.3833, 0.3195, 0.3514

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2577, 0.3317, 0.3928 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(208, 232, 176)` looks like.

```
.text, #text, p{  
    color:rgb(208, 232, 176)  
}
```

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(208, 232, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 232, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2577, 0.3317, 0.3928 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(208, 232, 176) }
```

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

```
.border{ border-color:rgb(208, 232, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 232, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 232, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 232, 176); box-shadow:4px 4px 4px 4px rgb(208, 232, 176) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2577, 0.3317, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 232, 176) }
```

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

```
.background{ background-color: rgb(208,  
232, 176) }
```

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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