

# Converting Colors

$Yxy(74.6719, 0.3422, 0.4347)$

Have a look what the booklet for  
Yxy(74.6719, 0.3422, 0.4347)  
contains.

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# Color

**Yxy(74.6495, 0.3418, 0.4342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6ED92
RGB	198, 237, 146
RGB Percent	78%, 93%, 57%
CMY	0.2235, 0.0706, 0.4274
CMYK	0.16, 0.00, 0.38, 0.07
HSL	86°, 72%, 75%
HSV	86°, 38%, 93%
XYZ	58.7637, 74.6495, 38.5110
YIQ	214.9650, 5.9670, -36.5690

# Conversions

## Conversions Part 2

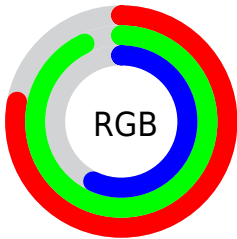
Format	Color
<a href="#">RYB</a>	<a href="#">146, 237, 185</a>
Decimal	<a href="#">13036946</a>
CIELab	<a href="#">89.23, -27.62, 39.99</a>
CIElCh	<a href="#">89, 48.600, 124.632</a>
Yxy	<a href="#">74.6495, 0.3418, 0.4342</a>
Android (android.graphics.Color)	<a href="#">4291227026 (0xFFC6ED92)</a>
YUV	<a href="#">214.9650, -33.9997, -14.8783</a>
Hunter-Lab	<a href="#">86.3999, -29.7956, 34.0526</a>

# Details

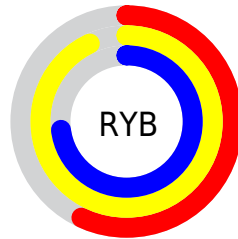
The Yxy color **74.6495, 0.3418, 0.4342** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.9926, 0.2722, 0.2209**, and the grayscale version is **68.1652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **39.6955, 0.3464, 0.4603** is the 20% darker color. If you saturate the color by 10%, you get **72.6555, 0.3476, 0.4632**, and if you desaturate by 10%, it is **76.8955, 0.3349, 0.4050**.

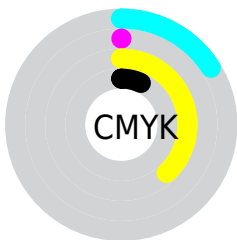
# Distribution



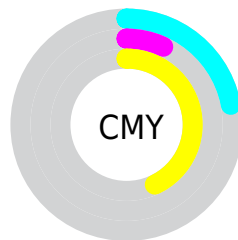
- Red (78%)
- Green (93%)
- Blue (57%)



- Red (57%)
- Yellow (93%)
- Blue (73%)



- Cyan (16%)
- Magenta (0%)
- Yellow (38%)
- Black (7%)




- Cyan (22%)
- Magenta (7%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6495, 0.3418, 0.4342 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 74.6495, 0.3418, 0.4342 by changing the saturation by 10% instead.





 74.6495, 0.3418,  
0.4342

 74.6495, 0.3418,  
0.4342


476.7120, 0.3301,  
0.3839

 55.3258, 0.3439,  
0.4459


 125.8161, 0.3382,  
0.4165

 39.6626, 0.3462,  
0.4605


 158.4278, 0.3366,  
0.4097

 27.2756, 0.3485,  
0.4789


196.2376, 0.3352,  
0.4038

 17.7803, 0.3505,  
0.5029

239.6298, 0.3340,  
0.3988

 10.7924, 0.3513,  
0.5350

288.9890, 0.3329,  
0.3944

 5.9274, 0.3487,  
0.5801

344.6995, 0.3319,

 2.8010, 0.3423,

0.3905

0.6577

407.1457, 0.3309,  
0.3870

■ 1.0287, 0.2239,  
0.7761

■ 0.0000, 0.0000,  
0.0000

■ 74.6495, 0.3418,  
0.4342

■ 74.6495, 0.3418,  
0.4342

■ 72.6555, 0.3476,  
0.4632

■ 76.8955, 0.3349,  
0.4050

■ 70.8924, 0.3518,  
0.4909

■ 79.3941, 0.3273,  
0.3767


■ 69.3510, 0.3540,  
0.5157


■ 82.1584, 0.3194,  
0.3500


■ 68.0173, 0.3538,  
0.5364


■ 85.1976, 0.3115,  
0.3251

 66.8752, 0.3513,  
0.5519

 87.8920, 0.3095,  
0.3115

 65.9023, 0.3466,  
0.5622

 89.0500, 0.3135,  
0.3117

 65.7568, 0.3458,  
0.5636

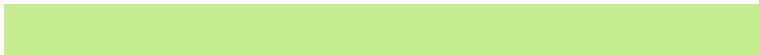
# Harmonies

## Analogous

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



74.6495, 0.3932, 0.4247



74.6495, 0.3418, 0.4342



74.6495, 0.2852, 0.4072

# Triad

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



74.6495, 0.3418, 0.4342



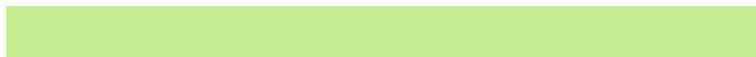
74.6495, 0.2110, 0.2556



74.6495, 0.3895, 0.3023

# Complementary

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



74.6495, 0.3418, 0.4342



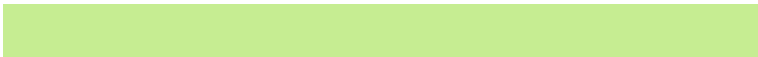
36.9926, 0.2722, 0.2209

# Split Complementary

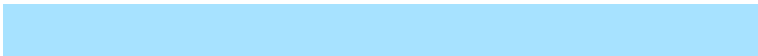
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6495, 0.3333, 0.2658



74.6495, 0.3418, 0.4342



74.6495, 0.2328, 0.2387

# Square

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



74.6495, 0.3418, 0.4342



74.6495, 0.2128, 0.2953



74.6495, 0.2759, 0.2431



74.6495, 0.4240, 0.3462



# Rectangle

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



74.6495, 0.3418, 0.4342



74.6495, 0.2522, 0.3722



74.6495, 0.2759, 0.2431



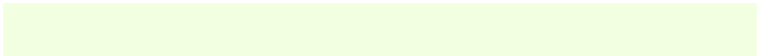
74.6495, 0.3722, 0.2889

# Sweetspot

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



74.6528, 0.3418, 0.4342



95.7806, 0.3223, 0.3595



54.3314, 0.3914, 0.3715



20.4088, 0.3233, 0.3630



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

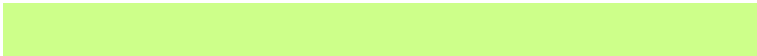


# Same Dimension

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



74.6528, 0.3418, 0.4342



86.2870, 0.3464, 0.4569



69.4764, 0.3118, 0.4447



17.2870, 0.3202, 0.3527



35.9788, 0.3469, 0.5627



2.8818, 0.3566, 0.5551



# Inverse Universe

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



36.9926, 0.2722, 0.2209



35.9986, 0.2615, 0.1969



43.4044, 0.3105, 0.2323



14.8645, 0.3047, 0.3051



4.9408, 0.1894, 0.0817



0.4437, 0.2048, 0.0902



# Previews

## White Background



This preview shows how the Yxy color 74.6495, 0.3418, 0.4342 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 74.6495, 0.3418, 0.4342 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 74.6495, 0.3418, 0.4342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6495, 0.3418, 0.4342.

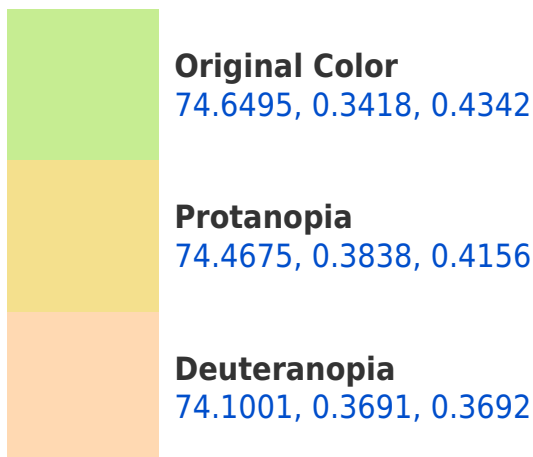


This preview shows how white text looks on a background with the Yxy color 74.6495, 0.3418, 0.4342.

# 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

74.3185, 0.2927, 0.3096

# Trichromacy



## Original Color

74.6495, 0.3418, 0.4342



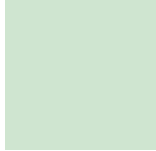
## Protanomaly

74.3527, 0.3675, 0.4226



## Deuteranomaly

73.5569, 0.3594, 0.3918



## Tritanomaly

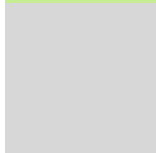
73.8581, 0.3109, 0.3526

# Monochromacy



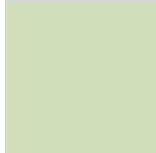
## Original Color

74.6495, 0.3418, 0.4342



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

70.0484, 0.3245, 0.3668

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6495, 0.3418, 0.4342 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(198, 237, 146)` looks like.

```
.text, #text, p{  
    color:rgb(198, 237, 146)  
}
```

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(198, 237, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 237, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6495, 0.3418, 0.4342 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(198, 237, 146) }
```

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

```
.border{ border-color:rgb(198, 237, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 237, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 237, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 237, 146);  
box-shadow:4px 4px 4px 4px rgb(198, 237,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6495, 0.3418, 0.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 237, 146) }
```

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

```
.background{ background-color: rgb(198,  
237, 146) }
```

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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