

# Converting Colors

$Yxy(71.1036, 0.3358, 0.4411)$

Have a look what the booklet for  
Yxy(71.1036, 0.3358, 0.4411)  
contains.

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# Color

**Yxy(70.9591, 0.3354, 0.4407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8EA8D
RGB	184, 234, 141
RGB Percent	72%, 92%, 55%
CMY	0.2783, 0.0824, 0.4470
CMYK	0.21, 0.00, 0.40, 0.08
HSL	92°, 69%, 74%
HSV	92°, 40%, 92%
XYZ	54.0043, 70.9591, 36.0512
YIQ	208.4480, 0.0530, -39.5230

# Conversions

## Conversions Part 2

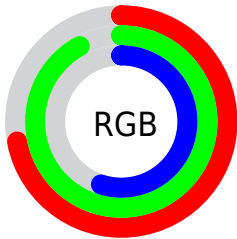
Format	Color
<a href="#">RYB</a>	<a href="#">141, 234, 191</a>
Decimal	<a href="#">12118669</a>
CIELab	<a href="#">87.47, -31.84, 40.03</a>
CIELCh	<a href="#">87, 51.148, 128.505</a>
Yxy	<a href="#">70.9591, 0.3354, 0.4407</a>
Android (android.graphics.Color)	<a href="#">4290308749</a> ( <a href="#">0xFFB8EA8D</a> )
YUV	<a href="#">208.4480, -33.2519, -21.4409</a>
Hunter-Lab	<a href="#">84.2372, -32.9792, 33.5916</a>

# Details

The Yxy color **70.9591, 0.3354, 0.4407** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.0645, 0.2791, 0.2195**, and the grayscale version is **63.6088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2063, 0.3384, 0.3888**, and **37.2292, 0.3380, 0.4699** is the 20% darker color. If you saturate the color by 10%, you get **68.8529, 0.3392, 0.4712**, and if you desaturate by 10%, it is **73.3566, 0.3304, 0.4103**.

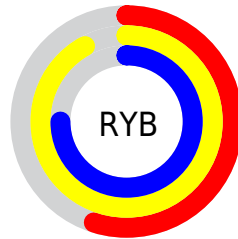
# Distribution



Red (72%)

Green (92%)

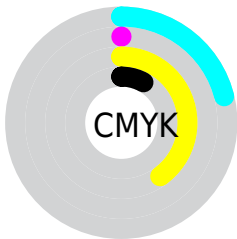
Blue (55%)



Red (55%)

Yellow (92%)

Blue (75%)

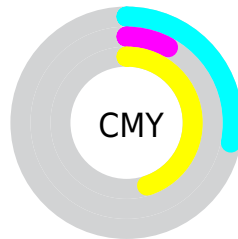


Cyan (21%)

Magenta (0%)

Yellow (40%)

Black (8%)



Cyan (28%)

Magenta (8%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9591, 0.3354, 0.4407 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 70.9591, 0.3354, 0.4407 by changing the saturation by 10% instead.




 70.9591, 0.3354,  
0.4407


 70.9591, 0.3354,  
0.4407


463.9104, 0.3268,  
0.3864

 52.3088, 0.3367,  
0.4536


 120.5755, 0.3329,  
0.4215

 37.2513, 0.3380,  
0.4696


 152.3104, 0.3318,  
0.4141

 25.4021, 0.3390,  
0.4902


189.1756, 0.3307,  
0.4078

 16.3769, 0.3391,  
0.5172

231.5556, 0.3298,  
0.4024

 9.7912, 0.3370,  
0.5538

279.8346, 0.3290,  
0.3976

 5.2608, 0.3312,  
0.6094

334.3972, 0.3282,

 2.4011, 0.3102,

0.3934

0.6898

395.6277, 0.3275,  
0.3897

0.8264, 0.0098,  
0.9902

0.0000, 0.0000,  
0.0000

70.9591, 0.3354,  
0.4407

70.9591, 0.3354,  
0.4407

68.8529, 0.3392,  
0.4712

73.3566, 0.3304,  
0.4103

67.0159, 0.3415,  
0.5005

76.0482, 0.3248,  
0.3810


65.4369, 0.3418,  
0.5268


79.0481, 0.3187,  
0.3536

64.1003, 0.3401,  
0.5486


82.3669, 0.3126,  
0.3284

 62.9877, 0.3362,  
0.5648

 85.8195, 0.3083,  
0.3084

 62.0715, 0.3308,  
0.5754

 87.3241, 0.3137,  
0.3088

 62.0496, 0.3306,  
0.5757

# Harmonies

## Analogous

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



70.9591, 0.3920, 0.4342



70.9591, 0.3354, 0.4407



70.9591, 0.2756, 0.4068

# Triad

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



70.9591, 0.3354, 0.4407



70.9591, 0.2064, 0.2470



70.9591, 0.4015, 0.3060

# Complementary

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



70.9591, 0.3354, 0.4407



36.0645, 0.2791, 0.2195

# Split Complementary

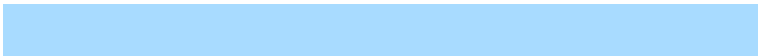
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.9591, 0.3429, 0.2661



70.9591, 0.3354, 0.4407



70.9591, 0.2324, 0.2324

# Square

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



70.9591, 0.3354, 0.4407



70.9591, 0.2049, 0.2858



70.9591, 0.2805, 0.2400



70.9591, 0.4341, 0.3529



# Rectangle

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



70.9591, 0.3354, 0.4407



70.9591, 0.2421, 0.3671



70.9591, 0.2805, 0.2400



70.9591, 0.3838, 0.2916

# Sweetspot

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



70.9622, 0.3354, 0.4407



95.1977, 0.3201, 0.3597



56.5034, 0.3900, 0.3847



20.2716, 0.3209, 0.3633



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

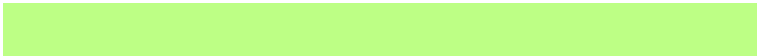


# Same Dimension

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



70.9622, 0.3354, 0.4407



84.0516, 0.3387, 0.4667



66.5243, 0.3053, 0.4469



17.2036, 0.3185, 0.3529



34.9426, 0.3318, 0.5748



2.8005, 0.3425, 0.5663



# Inverse Universe

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



36.0645, 0.2791, 0.2195



35.9408, 0.2696, 0.1947



42.3075, 0.3200, 0.2340



14.9475, 0.3064, 0.3052



5.8947, 0.2099, 0.0930



0.5200, 0.2244, 0.1010



# Previews

## White Background



This preview shows how the Yxy color 70.9591, 0.3354, 0.4407 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 70.9591, 0.3354, 0.4407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

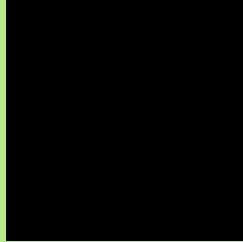
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.9591, 0.3354, 0.4407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.9591, 0.3354, 0.4407.

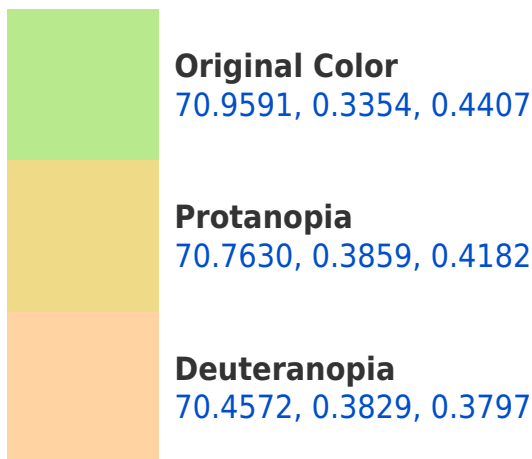


This preview shows how white text looks on a background with the Yxy color 70.9591, 0.3354, 0.4407.

# 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

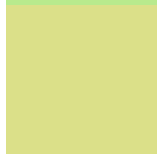
70.6759, 0.2860, 0.3090

# Trichromacy



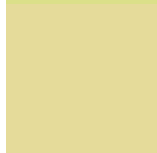
## Original Color

70.9591, 0.3354, 0.4407



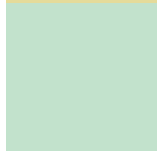
## Protanomaly

70.1775, 0.3669, 0.4264



## Deuteranomaly

69.6541, 0.3652, 0.4008



## Tritanomaly

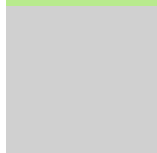
70.2217, 0.3047, 0.3545

# Monochromacy



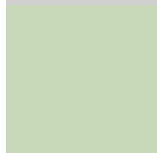
## Original Color

70.9591, 0.3354, 0.4407



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

65.2285, 0.3218, 0.3682

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9591, 0.3354, 0.4407 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(184, 234, 141)` looks like.

```
.text, #text, p{  
    color:rgb(184, 234, 141)  
}
```

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(184, 234, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 234, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9591, 0.3354, 0.4407 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(184, 234, 141) }
```

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

```
.border{ border-color:rgb(184, 234, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 234, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 234, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 234, 141);  
box-shadow:4px 4px 4px 4px rgb(184, 234,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9591, 0.3354, 0.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 234, 141) }
```

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

```
.background{ background-color: rgb(184,  
234, 141) }
```

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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