

# Converting Colors

$Y_{xy}(71.1277, 0.3484, 0.4561)$

Have a look what the booklet for  
Yxy(71.1277, 0.3484, 0.4561)  
contains.

<b>Yxy(71.2991, 0.3481, 0.4560)</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(71.2991, 0.3481, 0.4560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEEA7E
RGB	190, 234, 126
RGB Percent	75%, 92%, 49%
CMY	0.2548, 0.0824, 0.5059
CMYK	0.19, 0.00, 0.46, 0.08
HSL	84°, 72%, 71%
HSV	84°, 46%, 92%
XYZ	54.4281, 71.2991, 30.6305
YIQ	208.5320, 8.4440, -42.9160

# Conversions

## Conversions Part 2

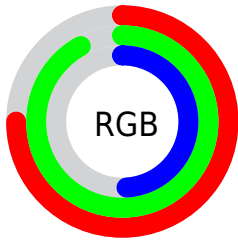
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 234, 170
Decimal	12511870
CIELab	87.63, -31.47, 47.63
CIELCh	88, 57.086, 123.460
Yxy	71.2991, 0.3481, 0.4560
Android (android.graphics.Color)	4290701950 (0xFFBEEA7E)
YUV	208.5320, -40.6883, -16.2526
Hunter-Lab	84.4388, -32.7092, 37.5995

# Details

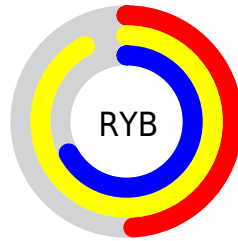
The Yxy color **71.2991, 0.3481, 0.4560** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **29.4049, 0.2596, 0.1964**, and the grayscale version is **63.7097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7717, 0.3526, 0.4040**, and **37.4035, 0.3520, 0.4879** is the 20% darker color. If you saturate the color by 10%, you get **69.5799, 0.3531, 0.4837**, and if you desaturate by 10%, it is **73.2461, 0.3416, 0.4271**.

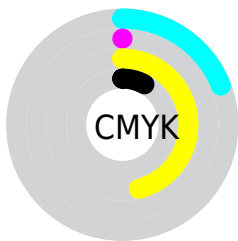
# Distribution



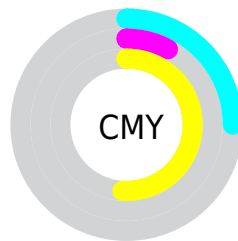
- Red (75%)
- Green (92%)
- Blue (49%)



- Red (49%)
- Yellow (92%)
- Blue (67%)



- Cyan (19%)
- Magenta (0%)
- Yellow (46%)
- Black (8%)




- Cyan (25%)
- Magenta (8%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2991, 0.3481, 0.4560 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 71.2991, 0.3481, 0.4560 by changing the saturation by 10% instead.





 71.2991, 0.3481,  
0.4560


 71.2991, 0.3481,  
0.4560

465.0983, 0.3344,  
0.3948


 52.5863, 0.3503,  
0.4703


 121.0595, 0.3440,  
0.4345

 37.4726, 0.3526,  
0.4879


 152.8759, 0.3422,  
0.4262

 25.5736, 0.3544,  
0.5101


 189.8290, 0.3406,  
0.4190

 16.5050, 0.3551,  
0.5386

232.3032, 0.3391,  
0.4129

 9.8822, 0.3528,  
0.5757

280.6828, 0.3377,  
0.4075

 5.3209, 0.3542,  
0.6456

335.3523, 0.3365,

 2.4368, 0.3132,

0.4027

0.6868

396.6960, 0.3354,  
0.3985

0.8447, 0.0393,  
0.9607

0.0000, 0.0000,  
0.0000

71.2991, 0.3481,  
0.4560

71.2991, 0.3481,  
0.4560

69.5799, 0.3531,  
0.4837

73.2461, 0.3416,  
0.4271

68.0674, 0.3561,  
0.5089

75.4220, 0.3341,  
0.3983

66.7521, 0.3568,  
0.5302


77.8396, 0.3261,  
0.3705

65.6191, 0.3550,  
0.5466

80.5079, 0.3178,  
0.3442

 64.6502, 0.3510,  
0.5576

 83.4356, 0.3096,  
0.3199

 64.3106, 0.3491,  
0.5610

 85.8747, 0.3085,  
0.3084

 87.3257, 0.3137,  
0.3088

# Harmonies

## Analogous

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



71.2991, 0.4086, 0.4400



71.2991, 0.3481, 0.4560



71.2991, 0.2814, 0.4262

# Triad

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



71.2991, 0.3481, 0.4560



71.2991, 0.1938, 0.2432



71.2991, 0.4020, 0.2950

# Complementary

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



71.2991, 0.3481, 0.4560



29.4049, 0.2596, 0.1964

# 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.



71.2991, 0.3338, 0.2538



71.2991, 0.3481, 0.4560



71.2991, 0.2176, 0.2237

# Square

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



71.2991, 0.3481, 0.4560



71.2991, 0.1965, 0.2899



71.2991, 0.2663, 0.2284



71.2991, 0.4446, 0.3452



# Rectangle

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



71.2991, 0.3481, 0.4560



71.2991, 0.2426, 0.3836



71.2991, 0.2663, 0.2284



71.2991, 0.3808, 0.2799

# Sweetspot

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



71.3022, 0.3481, 0.4560



95.2568, 0.3243, 0.3649



47.4488, 0.4136, 0.3780



20.2441, 0.3261, 0.3707



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

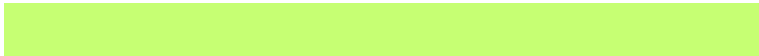


# Same Dimension

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



71.3022, 0.3481, 0.4560



84.7433, 0.3527, 0.4813



65.6533, 0.3122, 0.4715



17.3035, 0.3205, 0.3527



36.2144, 0.3502, 0.5602



2.8997, 0.3595, 0.5527



# Inverse Universe

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



29.4049, 0.2596, 0.1964



28.1790, 0.2460, 0.1685



36.5815, 0.3079, 0.2133



14.8483, 0.3043, 0.3051



4.7830, 0.1858, 0.0797



0.4305, 0.2013, 0.0882



# Previews

## White Background



This preview shows how the Yxy color 71.2991, 0.3481, 0.4560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

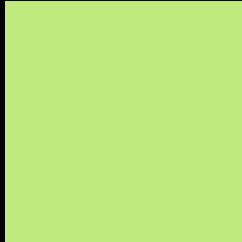
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.2991, 0.3481, 0.4560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

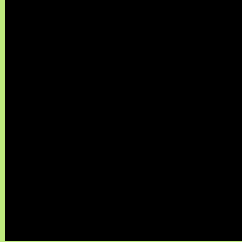
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.2991, 0.3481, 0.4560**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.2991, 0.3481, 0.4560.

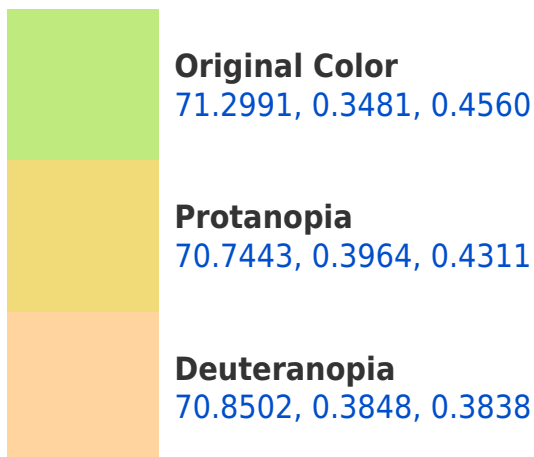


This preview shows how white text looks on a background with the Yxy color 71.2991, 0.3481, 0.4560.

# 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

70.9240, 0.2904, 0.3092

# Trichromacy



## Original Color

71.2991, 0.3481, 0.4560



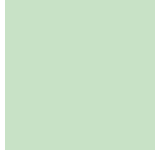
## Protanomaly

70.2710, 0.3778, 0.4399



## Deuteranomaly

70.2819, 0.3712, 0.4088



## Tritanomaly

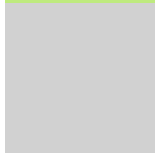
70.7493, 0.3126, 0.3613

# Monochromacy



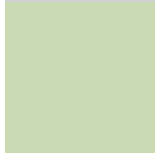
## Original Color

71.2991, 0.3481, 0.4560



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.9540, 0.3273, 0.3750

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.2991, 0.3481, 0.4560 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(190, 234, 126)` looks like.

```
.text, #text, p{  
    color:rgb(190, 234, 126)  
}
```

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(190, 234, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 234, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 71.2991, 0.3481, 0.4560 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(190, 234, 126) }
```

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

```
.border{ border-color:rgb(190, 234, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 234, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 234, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 234, 126);  
box-shadow:4px 4px 4px 4px rgb(190, 234,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.2991, 0.3481, 0.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 234, 126) }
```

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

```
.background{ background-color: rgb(190,  
234, 126) }
```

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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