

# Converting Colors

$Yxy(70.6450, 0.3279, 0.4257)$

Have a look what the booklet for  
Yxy(70.6450, 0.3279, 0.4257)  
contains.

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# Color

**Yxy(70.6450, 0.3279, 0.4257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">B7E999</a>
RGB	<a href="#">183, 233, 153</a>
RGB Percent	<a href="#">72%, 91%, 60%</a>
CMY	<a href="#">0.2823, 0.0862, 0.4001</a>
CMYK	<a href="#">0.21, 0.00, 0.34, 0.09</a>
HSL	<a href="#">97°, 65%, 76%</a>
HSV	<a href="#">97°, 34%, 91%</a>
XYZ	<a href="#">54.4151, 70.6450, 40.8901</a>
YIQ	<a href="#">208.9300, -4.1200, -35.4800</a>

# Conversions

## Conversions Part 2

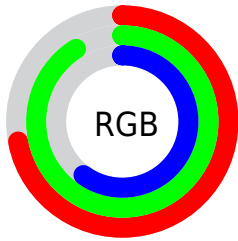
Format	Color
<a href="#">RYB</a>	<a href="#">153, 233, 203</a>
Decimal	<a href="#">12052889</a>
CIELab	<a href="#">87.31, -30.14, 33.83</a>
CIElCh	<a href="#">87, 45.307, 131.696</a>
Yxy	<a href="#">70.6450, 0.3279, 0.4257</a>
Android (android.graphics.Color)	<a href="#">4290242969</a> ( <a href="#">0xFFB7E999</a> )
YUV	<a href="#">208.9300, -27.5735, -22.7406</a>
Hunter-Lab	<a href="#">84.0506, -31.5261, 29.9912</a>

# Details

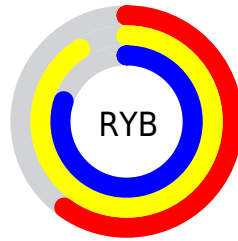
The Yxy color **70.6450, 0.3279, 0.4257** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.3485, 0.2907, 0.2370**, and the grayscale version is **63.8977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5993, 0.3307, 0.3765**, and **37.0510, 0.3299, 0.4507** is the 20% darker color. If you saturate the color by 10%, you get **68.2582, 0.3310, 0.4574**, and if you desaturate by 10%, it is **73.3729, 0.3240, 0.3950**.

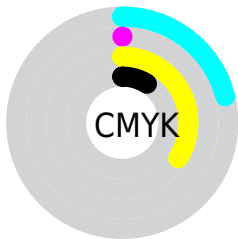
# Distribution



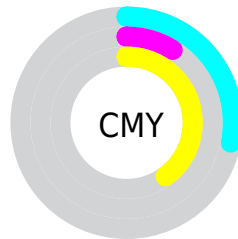
- Red (72%)
- Green (91%)
- Blue (60%)



- Red (60%)
- Yellow (91%)
- Blue (80%)



- Cyan (21%)
- Magenta (0%)
- Yellow (34%)
- Black (9%)




- Cyan (28%)
- Magenta (9%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6450, 0.3279, 0.4257 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 70.6450, 0.3279, 0.4257 by changing the saturation by 10% instead.




 70.6450, 0.3279,  
0.4257


 70.6450, 0.3279,  
0.4257


462.8115, 0.3223,  
0.3787

 52.0525, 0.3288,  
0.4369


 120.1281, 0.3263,  
0.4090

 37.0470, 0.3296,  
0.4510


 151.7876, 0.3255,  
0.4026

 25.2438, 0.3301,  
0.4692


188.5714, 0.3249,  
0.3971

 16.2588, 0.3301,  
0.4934

230.8642, 0.3242,  
0.3924

 9.7075, 0.3284,  
0.5268

279.0502, 0.3237,  
0.3883

 5.2054, 0.3224,  
0.5752


333.5138, 0.3232,


 2.3683, 0.3192,


0.3847

0.6808


394.6394, 0.3227,  
0.3815


 0.8095, 0.0400,  
0.9600


 0.0000, 0.0000,  
0.0000


 70.6450, 0.3279,  
0.4257


 70.6450, 0.3279,  
0.4257

 68.2582, 0.3310,  
0.4574


 73.3729, 0.3240,  
0.3950


 66.1889, 0.3329,  
0.4889

 76.4461, 0.3195,  
0.3662

 64.4246, 0.3332,  
0.5184

 79.8804, 0.3148,  
0.3397

 62.9483, 0.3317,  
0.5441

 83.6876, 0.3100,  
0.3158

■ 61.7407, 0.3284,  
0.5644

■ 86.7617, 0.3137,  
0.3078

■ 60.7794, 0.3235,  
0.5783

■ 60.3288, 0.3204,  
0.5838

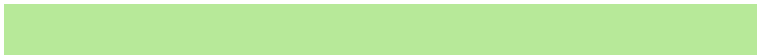
# Harmonies

## Analogous

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



70.6450, 0.3793, 0.4248



70.6450, 0.3279, 0.4257



70.6450, 0.2749, 0.3923

# Triad

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



70.6450, 0.3279, 0.4257



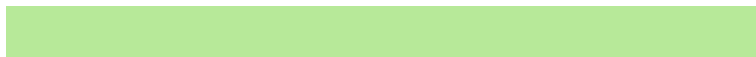
70.6450, 0.2185, 0.2534



70.6450, 0.3958, 0.3132

# Complementary

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



70.6450, 0.3279, 0.4257



41.3485, 0.2907, 0.2370

# Split Complementary

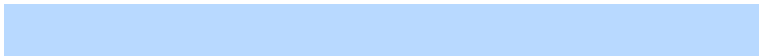
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6450, 0.3458, 0.2759



70.6450, 0.3279, 0.4257



70.6450, 0.2445, 0.2420

# Square

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



70.6450, 0.3279, 0.4257



70.6450, 0.2149, 0.2865



70.6450, 0.2898, 0.2505



70.6450, 0.4216, 0.3561



# Rectangle

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



70.6450, 0.3279, 0.4257



70.6450, 0.2458, 0.3568



70.6450, 0.2898, 0.2505



70.6450, 0.3811, 0.2998

# Sweetspot

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



70.6481, 0.3279, 0.4257



95.5678, 0.3175, 0.3545



62.0176, 0.3750, 0.3841



20.3300, 0.3182, 0.3583



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

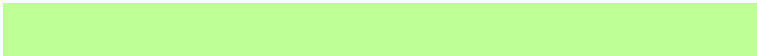


# Same Dimension

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



70.6481, 0.3279, 0.4257



84.6427, 0.3301, 0.4474



67.6705, 0.3027, 0.4195



17.1375, 0.3172, 0.3530



34.2948, 0.3215, 0.5829



2.7463, 0.3323, 0.5744



# Inverse Universe

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



41.3485, 0.2907, 0.2370



43.7404, 0.2849, 0.2176



45.4608, 0.3247, 0.2528



15.0151, 0.3078, 0.3054



6.8565, 0.2288, 0.1034

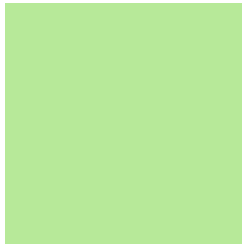


0.5930, 0.2415, 0.1104



# Previews

## White Background



This preview shows how the Yxy color 70.6450, 0.3279, 0.4257 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 70.6450, 0.3279, 0.4257 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 70.6450, 0.3279, 0.4257**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6450, 0.3279, 0.4257.



This preview shows how white text looks on a background with the Yxy color 70.6450, 0.3279, 0.4257.

# 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

70.6450, 0.3279, 0.4257

### Protanopia

70.0823, 0.3759, 0.4058

### Deuteranopia

70.0698, 0.3811, 0.3757



## Tritanopia

70.2696, 0.2840, 0.3089

# Trichromacy



**Original Color**

70.6450, 0.3279, 0.4257

**Protanomaly**

69.6970, 0.3579, 0.4128

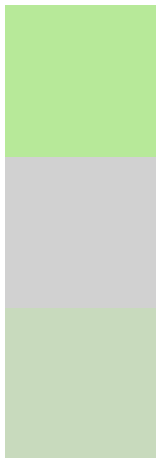
**Deuteranomaly**

69.3740, 0.3607, 0.3921

**Tritanomaly**

70.0231, 0.3002, 0.3499

# Monochromacy



**Original Color**

70.6450, 0.3279, 0.4257

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

66.0963, 0.3191, 0.3631

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6450, 0.3279, 0.4257 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(183, 233, 153)` looks like.

```
.text, #text, p{  
    color:rgb(183, 233, 153)  
}
```

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(183, 233, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 233, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6450, 0.3279, 0.4257 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(183, 233, 153) }
```

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

```
.border{ border-color:rgb(183, 233, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 233, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 233, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 233, 153);  
box-shadow:4px 4px 4px 4px rgb(183, 233,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6450, 0.3279, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 233, 153) }
```

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

```
.background{ background-color: rgb(183,  
233, 153) }
```

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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