

# Converting Colors

$Yxy(72.2854, 0.3097, 0.3963)$

Have a look what the booklet for  
Yxy(72.2854, 0.3097, 0.3963)  
contains.

<b>Yxy(72.2550, 0.3096, 0.3963)</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(72.2550, 0.3096, 0.3963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3EBB3
RGB	179, 235, 179
RGB Percent	70%, 92%, 70%
CMY	0.2978, 0.0785, 0.2980
CMYK	0.24, 0.00, 0.24, 0.08
HSL	120°, 58%, 81%
HSV	120°, 24%, 92%
XYZ	56.4475, 72.2550, 53.6215
YIQ	211.8720, -15.4000, -29.2880

# Conversions

## Conversions Part 2

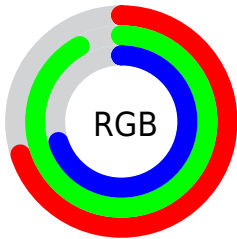
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 235, 235
Decimal	11791283
CIELab	88.09, -28.39, 21.53
CIElCh	88, 35.629, 142.825
Yxy	72.2550, 0.3096, 0.3963
Android (android.graphics.Color)	4289981363 (0xFFB3EBB3)
YUV	211.8720, -16.2059, -28.8287
Hunter-Lab	85.0029, -30.2195, 22.1008

# Details

The Yxy color **72.2550, 0.3096, 0.3963** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.8899, 0.3154, 0.2698**, and the grayscale version is **65.8766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3510, 0.3124, 0.3490**, and **38.1065, 0.3079, 0.4140** is the 20% darker color. If you saturate the color by 10%, you get **68.8226, 0.3080, 0.4300**, and if you desaturate by 10%, it is **76.3317, 0.3110, 0.3656**.

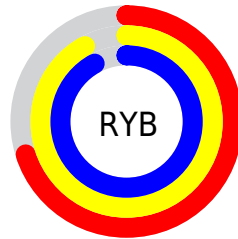
# Distribution



Red (70%)

Green (92%)

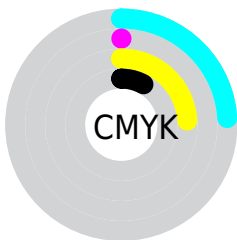
Blue (70%)



Red (70%)

Yellow (92%)

Blue (92%)

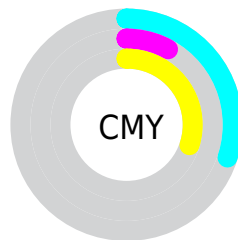


Cyan (24%)

Magenta (0%)

Yellow (24%)

Black (8%)



Cyan (30%)

Magenta (8%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2550, 0.3096, 0.3963 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 72.2550, 0.3096, 0.3963 by changing the saturation by 10% instead.





 72.2550, 0.3096,  
0.3963

 72.2550, 0.3096,  
0.3963


468.4287, 0.3117,  
0.3638

 53.3670, 0.3089,  
0.4041

 122.4190, 0.3105,  
0.3847

 38.0958, 0.3080,  
0.4138


154.4638, 0.3108,  
0.3803

 26.0571, 0.3066,  
0.4265


191.6630, 0.3110,  
0.3766

 16.8663, 0.3045,  
0.4435

234.4010, 0.3112,  
0.3733

 10.1392, 0.3010,  
0.4674

283.0621, 0.3114,  
0.3705

 5.4914, 0.2946,  
0.5035

338.0309, 0.3115,

 2.5384, 0.2828,

0.3680

399.6916, 0.3117,  
0.3658

0.5665

0.8958, 0.1502,  
0.8498

0.0000, 0.0000,  
0.0000

72.2550, 0.3096,  
0.3963

72.2550, 0.3096,  
0.3963

68.8226, 0.3080,  
0.4300

76.3317, 0.3110,  
0.3656

65.9929, 0.3064,  
0.4658

81.0734, 0.3123,  
0.3385

63.7339, 0.3047,  
0.5017

86.5114, 0.3134,  
0.3148

62.0069, 0.3031,  
0.5353

87.8911, 0.3136,  
0.3097

■ 60.7683, 0.3018,  
0.5637

■ 59.9677, 0.3008,  
0.5844

■ 59.5438, 0.3002,  
0.5962

■ 59.4128, 0.3000,  
0.6000

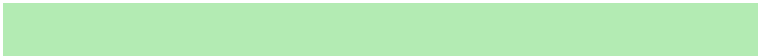
# Harmonies

## Analogous

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



72.2550, 0.3519, 0.4066



72.2550, 0.3096, 0.3963



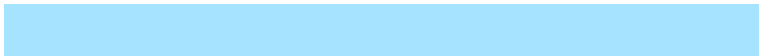
72.2550, 0.2699, 0.3633

# Triad

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



72.2550, 0.3096, 0.3963



72.2550, 0.2434, 0.2639



72.2550, 0.3876, 0.3299

# Complementary

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



72.2550, 0.3096, 0.3963



55.8899, 0.3154, 0.2698

# 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.



72.2550, 0.3546, 0.2972



72.2550, 0.3096, 0.3963



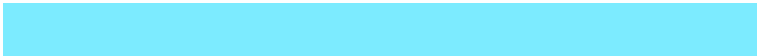
72.2550, 0.2709, 0.2602

# Square

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



72.2550, 0.3096, 0.3963



72.2550, 0.2335, 0.2848



72.2550, 0.3111, 0.2723



72.2550, 0.3987, 0.3645



# Rectangle

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



72.2550, 0.3096, 0.3963



72.2550, 0.2500, 0.3349



72.2550, 0.3111, 0.2723



72.2550, 0.3786, 0.3185

# Sweetspot

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



72.2581, 0.3096, 0.3963



95.6771, 0.3119, 0.3468



79.7937, 0.3489, 0.3875



20.4032, 0.3118, 0.3484



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

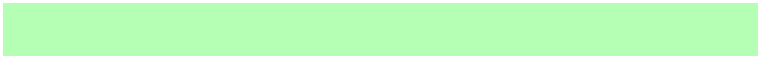


# Same Dimension

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



72.2581, 0.3096, 0.3963



84.6982, 0.3088, 0.4139



73.4549, 0.2937, 0.3630



16.8630, 0.3116, 0.3534



33.0694, 0.3000, 0.6000



2.5970, 0.3001, 0.5999



# Inverse Universe

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



55.8899, 0.3154, 0.2698



61.5321, 0.3160, 0.2566



54.4539, 0.3373, 0.2974



15.3129, 0.3138, 0.3058



13.1432, 0.3206, 0.1540

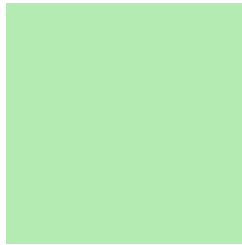


1.0323, 0.3207, 0.1540



# Previews

## White Background



This preview shows how the Yxy color 72.2550, 0.3096, 0.3963 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 72.2550, 0.3096, 0.3963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

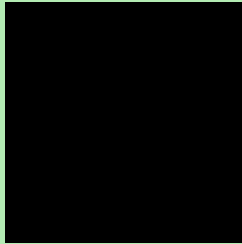
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.2550, 0.3096, 0.3963**

## Background



This preview shows how black text looks on a background with the Yxy color 72.2550, 0.3096, 0.3963.

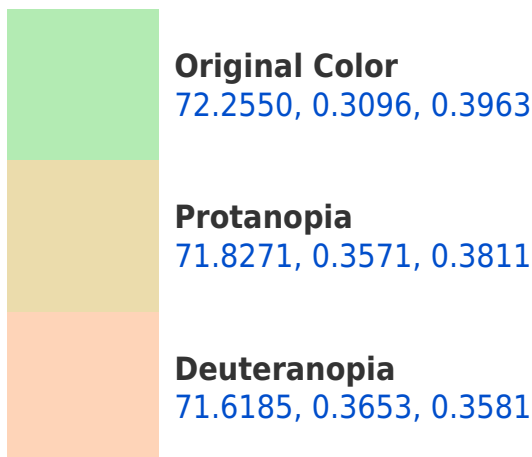


This preview shows how white text looks on a background with the Yxy color 72.2550, 0.3096, 0.3963.

# 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

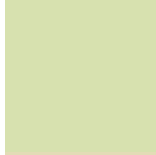
71.8715, 0.2783, 0.3089

# Trichromacy



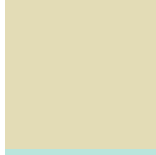
## Original Color

72.2550, 0.3096, 0.3963



## Protanomaly

71.3926, 0.3386, 0.3857



## Deuteranomaly

70.8947, 0.3439, 0.3710



## Tritanomaly

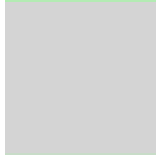
71.6450, 0.2898, 0.3393

# Monochromacy



## Original Color

72.2550, 0.3096, 0.3963



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

67.6359, 0.3116, 0.3522

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2550, 0.3096, 0.3963 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(179, 235, 179)` looks like.

```
.text, #text, p{  
    color:rgb(179, 235, 179)  
}
```

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(179, 235, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 235, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2550, 0.3096, 0.3963 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(179, 235, 179) }
```

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

```
.border{ border-color:rgb(179, 235, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 235, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 235, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 235, 179); box-shadow:4px 4px 4px 4px rgb(179, 235, 179) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2550, 0.3096, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 235, 179) }
```

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

```
.background{ background-color: rgb(179,  
235, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor