

# Converting Colors

$Yxy(72.0302, 0.3257, 0.3881)$

Have a look what the booklet for  
Yxy(72.0302, 0.3257, 0.3881)  
contains.

<b>Yxy(72.2658, 0.3250, 0.3881)</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(72.2658, 0.3250, 0.3881)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9E6B3
RGB	201, 230, 179
RGB Percent	79%, 90%, 70%
CMY	0.2119, 0.0980, 0.2979
CMYK	0.13, 0.00, 0.22, 0.10
HSL	94°, 50%, 80%
HSV	94°, 22%, 90%
XYZ	60.5163, 72.2658, 53.4219
YIQ	215.5150, -0.9130, -22.0090

# Conversions

## Conversions Part 2

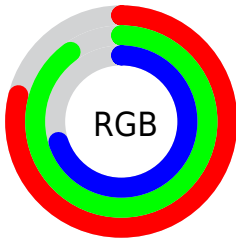
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 230, 208
Decimal	13231795
CIELab	88.10, -18.55, 21.73
CIELCh	88, 28.571, 130.476
Yxy	72.2658, 0.3250, 0.3881
Android (android.graphics.Color)	4291421875 (0xFFC9E6B3)
YUV	215.5150, -18.0019, -12.7297
Hunter-Lab	85.0093, -21.6959, 22.2472

# Details

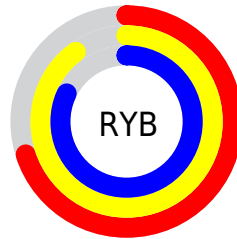
The Yxy color **72.2658, 0.3250, 0.3881** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.3870, 0.2976, 0.2710**, and the grayscale version is **68.4468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **37.9815, 0.3279, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **69.6753, 0.3300, 0.4180**, and if you desaturate by 10%, it is **75.1727, 0.3196, 0.3601**.

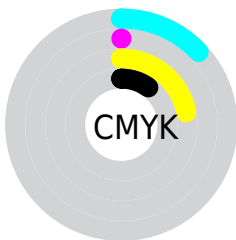
# Distribution



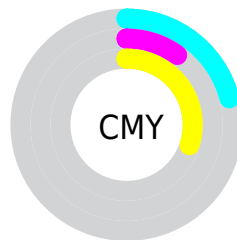
- Red (79%)
- Green (90%)
- Blue (70%)



- Red (70%)
- Yellow (90%)
- Blue (82%)



- Cyan (13%)
- Magenta (0%)
- Yellow (22%)
- Black (10%)




- Cyan (21%)
- Magenta (10%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2658, 0.3250, 0.3881 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 72.2658, 0.3250, 0.3881 by changing the saturation by 10% instead.




 72.2658, 0.3250,  
0.3881

 72.2658, 0.3250,  
0.3881


468.4662, 0.3198,  
0.3599

 53.3758, 0.3261,  
0.3948

 122.4344, 0.3233,  
0.3781

 38.1029, 0.3273,  
0.4031


154.4817, 0.3226,  
0.3743

 26.0625, 0.3287,  
0.4138

191.6837, 0.3220,  
0.3710

 16.8704, 0.3303,  
0.4281

234.4246, 0.3215,  
0.3682

 10.1422, 0.3320,  
0.4479

283.0890, 0.3210,  
0.3657

 5.4933, 0.3334,  
0.4773

338.0611, 0.3205,

 2.5395, 0.3347,

0.3635

399.7254, 0.3201,  
0.3616

0.5278

0.8964, 0.3081,  
0.6919

0.0000, 0.0000,  
0.0000

72.2658, 0.3250,  
0.3881

72.2658, 0.3250,  
0.3881

69.6753, 0.3300,  
0.4180

75.1727, 0.3196,  
0.3601

67.3804, 0.3342,  
0.4489

78.3976, 0.3139,  
0.3343

65.3717, 0.3372,  
0.4797

81.9538, 0.3083,  
0.3109

63.6360, 0.3386,  
0.5089

84.7749, 0.3128,  
0.3048

■ 62.1585, 0.3380,  
0.5348

■ 85.0802, 0.3138,  
0.3049

■ 60.9229, 0.3355,  
0.5558

■ 59.9102, 0.3310,  
0.5708

■ 59.2511, 0.3267,  
0.5788

# Harmonies

## Analogous

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



72.2658, 0.3570, 0.3889



72.2658, 0.3250, 0.3881



72.2658, 0.2909, 0.3685

# Triad

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



72.2658, 0.3250, 0.3881



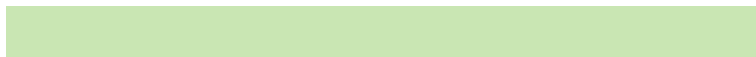
72.2658, 0.2512, 0.2819



72.2658, 0.3635, 0.3187

# Complementary

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



72.2658, 0.3250, 0.3881



51.3870, 0.2976, 0.2710

# 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.



72.2658, 0.3326, 0.2938



72.2658, 0.3250, 0.3881



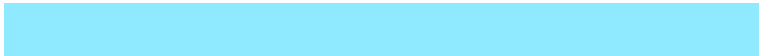
72.2658, 0.2682, 0.2726

# Square

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



72.2658, 0.3250, 0.3881



72.2658, 0.2496, 0.3047



72.2658, 0.2975, 0.2772



72.2658, 0.3803, 0.3472



# Rectangle

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



72.2658, 0.3250, 0.3881



72.2658, 0.2715, 0.3480



72.2658, 0.2975, 0.2772



72.2658, 0.3543, 0.3098

# Sweetspot

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



72.2689, 0.3250, 0.3881



97.0252, 0.3167, 0.3465



65.1535, 0.3510, 0.3612



20.7145, 0.3170, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

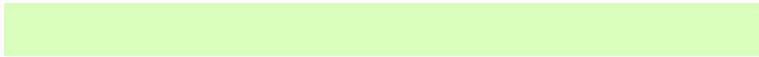


# Same Dimension

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



72.2689, 0.3250, 0.3881



89.6362, 0.3276, 0.4028



69.5826, 0.3078, 0.3866



16.3908, 0.3180, 0.3528



33.6098, 0.3278, 0.5779



2.5376, 0.3393, 0.5688



# Inverse Universe

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



51.3870, 0.2976, 0.2710



58.4690, 0.2935, 0.2568



54.6020, 0.3179, 0.2774



14.2903, 0.3069, 0.3053



6.0415, 0.2168, 0.0968

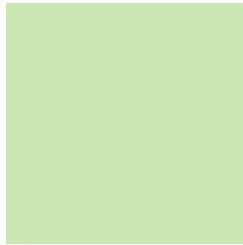


0.5010, 0.2315, 0.1049



# Previews

## White Background



This preview shows how the Yxy color 72.2658, 0.3250, 0.3881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

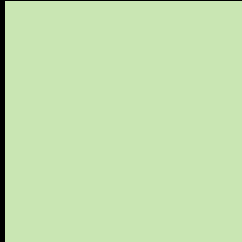
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2658, 0.3250, 0.3881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

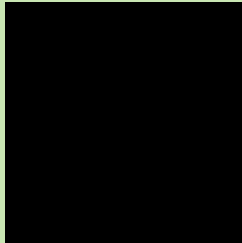
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

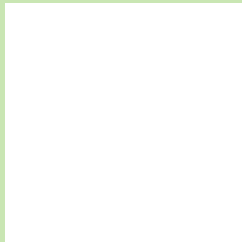
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2658, 0.3250, 0.3881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2658, 0.3250, 0.3881.

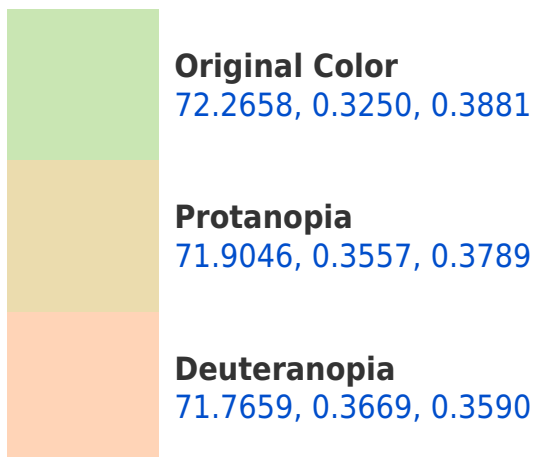


This preview shows how white text looks on a background with the Yxy color 72.2658, 0.3250, 0.3881.

# 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

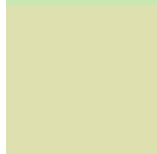
72.1762, 0.2937, 0.3105

# Trichromacy



## Original Color

72.2658, 0.3250, 0.3881



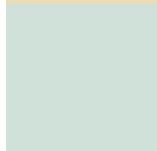
## Protanomaly

72.1339, 0.3442, 0.3824



## Deuteranomaly

71.7026, 0.3503, 0.3691



## Tritanomaly

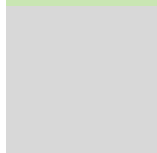
72.1256, 0.3054, 0.3379

# Monochromacy



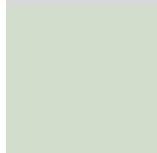
## Original Color

72.2658, 0.3250, 0.3881



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

69.8736, 0.3175, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2658, 0.3250, 0.3881 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(201, 230, 179)` looks like.

```
.text, #text, p{  
    color:rgb(201, 230, 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(201, 230, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 230, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2658, 0.3250, 0.3881 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(201, 230, 179) }
```

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

```
.border{ border-color:rgb(201, 230, 179) }
```

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

Here you see how a box with a 4 pixel rgb(201, 230, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 230, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 230, 179);  
box-shadow:4px 4px 4px 4px rgb(201, 230,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2658, 0.3250, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 230, 179) }
```

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

```
.background{ background-color: rgb(201,  
230, 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