

# Converting Colors

$Yxy(72.0909, 0.3279, 0.3857)$

Have a look what the booklet for  
Yxy(72.0909, 0.3279, 0.3857)  
contains.

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# Color

**Yxy(72.2724, 0.3280, 0.3865)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDE5B3
RGB	205, 229, 179
RGB Percent	80%, 90%, 70%
CMY	0.1961, 0.1019, 0.2979
CMYK	0.10, 0.00, 0.22, 0.10
HSL	89°, 49%, 80%
HSV	89°, 22%, 90%
XYZ	61.3334, 72.2724, 53.3862
YIQ	216.1240, 1.7460, -20.6380

# Conversions

## Conversions Part 2

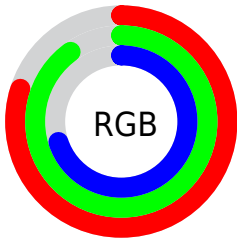
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 229, 203
Decimal	13493683
CIELab	88.10, -16.63, 21.77
CIELCh	88, 27.400, 127.375
Yxy	72.2724, 0.3280, 0.3865
Android (android.graphics.Color)	4291683763 (0xFFCDE5B3)
YUV	216.1240, -18.3021, -9.7557
Hunter-Lab	85.0132, -19.9929, 22.2765

# Details

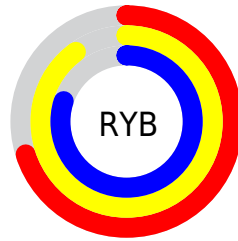
The Yxy color **72.2724, 0.3280, 0.3865** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.6192, 0.2944, 0.2714**, and the grayscale version is **68.8868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **38.2625, 0.3306, 0.4019** is the 20% darker color. If you saturate the color by 10%, you get **69.9135, 0.3345, 0.4156**, and if you desaturate by 10%, it is **74.9017, 0.3211, 0.3590**.

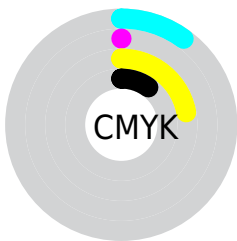
# Distribution



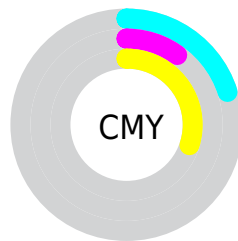
- Red (80%)
- Green (90%)
- Blue (70%)



- Red (70%)
- Yellow (90%)
- Blue (80%)



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




- Cyan (20%)
- Magenta (10%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2724, 0.3280, 0.3865 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 72.2724, 0.3280, 0.3865 by changing the saturation by 10% instead.




 72.2724, 0.3280,  
0.3865

 72.2724, 0.3280,  
0.3865


468.4892, 0.3214,  
0.3591

 53.3812, 0.3294,  
0.3929


 122.4437, 0.3258,  
0.3768

 38.1072, 0.3310,  
0.4010

154.4927, 0.3249,  
0.3731

 26.0659, 0.3330,  
0.4113

191.6963, 0.3241,  
0.3700

 16.8729, 0.3353,  
0.4250

234.4391, 0.3234,  
0.3672

 10.1439, 0.3381,  
0.4441

283.1054, 0.3228,  
0.3648

 5.4945, 0.3410,  
0.4722

338.0796, 0.3223,

 2.5402, 0.3448,

0.3627

0.5202

399.7460, 0.3218,  
0.3608

0.8967, 0.3323,  
0.6677

0.0000, 0.0000,  
0.0000

72.2724, 0.3280,  
0.3865

72.2724, 0.3280,  
0.3865

69.9135, 0.3345,  
0.4156

74.9017, 0.3211,  
0.3590

67.8056, 0.3402,  
0.4454

77.8011, 0.3140,  
0.3334

65.9414, 0.3447,  
0.4749

80.9826, 0.3070,  
0.3101

64.3094, 0.3474,  
0.5027

83.4054, 0.3099,  
0.3035

■ 62.8970, 0.3481,  
0.5272

■ 84.5218, 0.3139,  
0.3039

■ 61.6900, 0.3465,  
0.5471

■ 60.6716, 0.3426,  
0.5614

■ 59.9582, 0.3383,  
0.5696

# Harmonies

## Analogous

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



72.2724, 0.3579, 0.3856



72.2724, 0.3280, 0.3865



72.2724, 0.2951, 0.3695

# Triad

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



72.2724, 0.3280, 0.3865



72.2724, 0.2527, 0.2855



72.2724, 0.3588, 0.3165

# Complementary

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



72.2724, 0.3280, 0.3865



50.6192, 0.2944, 0.2714

# 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.



72.2724, 0.3283, 0.2930



72.2724, 0.3280, 0.3865



72.2724, 0.2677, 0.2751

# Square

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



72.2724, 0.3280, 0.3865



72.2724, 0.2528, 0.3087



72.2724, 0.2949, 0.2781



72.2724, 0.3767, 0.3438



# Rectangle

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



72.2724, 0.3280, 0.3865



72.2724, 0.2758, 0.3505



72.2724, 0.2949, 0.2781



72.2724, 0.3496, 0.3080

# Sweetspot

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



72.2755, 0.3280, 0.3865



97.3120, 0.3177, 0.3465



62.3247, 0.3515, 0.3553



20.7809, 0.3181, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

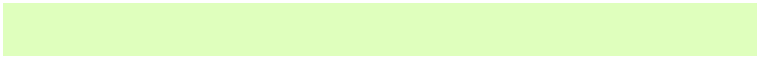


# Same Dimension

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



72.2755, 0.3280, 0.3865



90.8896, 0.3309, 0.3990



69.0865, 0.3110, 0.3896



16.4554, 0.3194, 0.3527



34.3514, 0.3394, 0.5687



2.5937, 0.3503, 0.5601



# Inverse Universe

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



50.6192, 0.2944, 0.2714



58.7911, 0.2900, 0.2588



54.3006, 0.3139, 0.2747



14.2253, 0.3055, 0.3052



5.2037, 0.1989, 0.0869

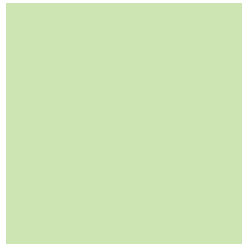


0.4396, 0.2149, 0.0957



# Previews

## White Background



This preview shows how the Yxy color 72.2724, 0.3280, 0.3865 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

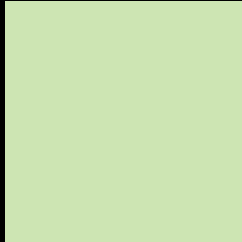
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2724, 0.3280, 0.3865 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

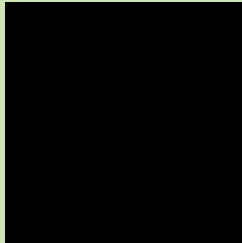
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

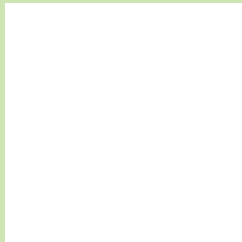
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2724, 0.3280, 0.3865**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2724, 0.3280, 0.3865.

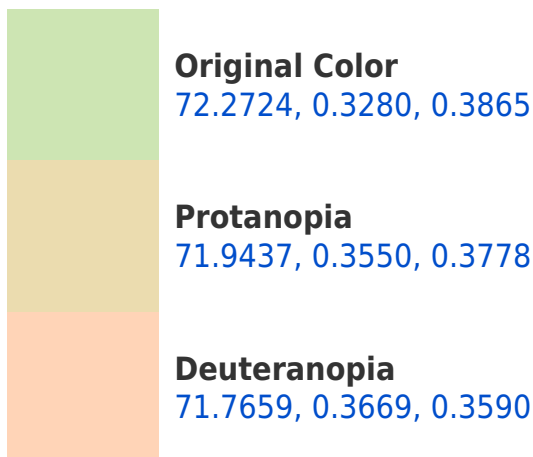


This preview shows how white text looks on a background with the Yxy color 72.2724, 0.3280, 0.3865.

# 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

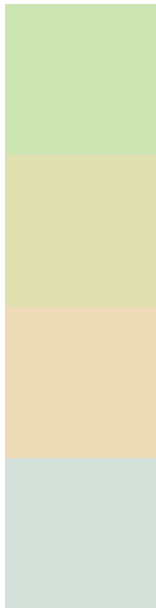




## Tritanopia

72.1821, 0.2970, 0.3106

# Trichromacy



**Original Color**

72.2724, 0.3280, 0.3865

**Protanomaly**

71.7572, 0.3451, 0.3812

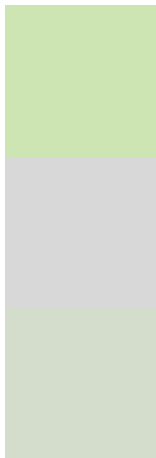
**Deuteranomaly**

71.5247, 0.3520, 0.3679

**Tritanomaly**

72.1699, 0.3082, 0.3368

# Monochromacy



**Original Color**

72.2724, 0.3280, 0.3865

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

70.0217, 0.3182, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2724, 0.3280, 0.3865 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(205, 229, 179)` looks like.

```
.text, #text, p{  
    color:rgb(205, 229, 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(205, 229, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 229, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2724, 0.3280, 0.3865 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(205, 229, 179) }
```

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

```
.border{ border-color:rgb(205, 229, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 229, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 229, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 229, 179);  
box-shadow:4px 4px 4px 4px rgb(205, 229,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2724, 0.3280, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 229, 179) }
```

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

```
.background{ background-color: rgb(205,  
229, 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](#).

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