

# Converting Colors

$Yxy(72.7861, 0.3292, 0.3883)$

Have a look what the booklet for  
Yxy(72.7861, 0.3292, 0.3883)  
contains.

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# Color

**Yxy(72.9298, 0.3293, 0.3886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE6B2
RGB	206, 230, 178
RGB Percent	81%, 90%, 70%
CMY	0.1919, 0.0981, 0.3019
CMYK	0.10, 0.00, 0.23, 0.10
HSL	88°, 51%, 80%
HSV	88°, 23%, 90%
XYZ	61.8008, 72.9298, 52.9426
YIQ	216.8960, 2.3880, -21.2600

# Conversions

## Conversions Part 2

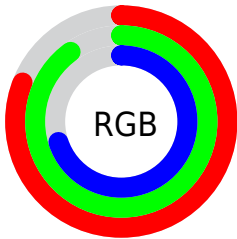
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">178, 230, 202</a>
Decimal	<a href="#">13559474</a>
CIELab	<a href="#">88.41, -16.89, 22.75</a>
CIELCh	<a href="#">88, 28.341, 126.592</a>
Yxy	<a href="#">72.9298, 0.3293, 0.3886</a>
Android (android.graphics.Color)	<a href="#">4291749554 (0xFFCEE6B2)</a>
YUV	<a href="#">216.8960, -19.1757, -9.5558</a>
Hunter-Lab	<a href="#">85.3989, -20.2728, 23.0228</a>

# Details

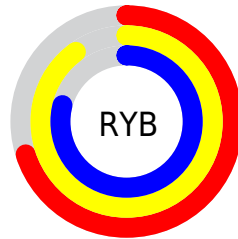
The Yxy color **72.9298, 0.3293, 0.3886** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.1032, 0.2928, 0.2689**, and the grayscale version is **69.4550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **38.3321, 0.3324, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **70.6204, 0.3361, 0.4176**, and if you desaturate by 10%, it is **75.5025, 0.3220, 0.3610**.

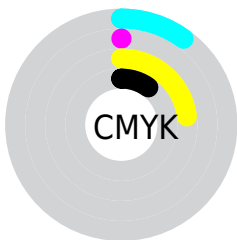
# Distribution



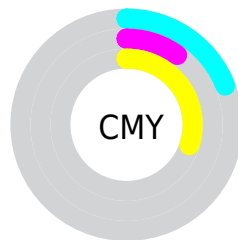
- Red (81%)
- Green (90%)
- Blue (70%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)




- Cyan (19%)
- Magenta (10%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9298, 0.3293, 0.3886 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 72.9298, 0.3293, 0.3886 by changing the saturation by 10% instead.



 72.9298, 0.3293,  
0.3886

 72.9298, 0.3293,  
0.3886


470.7715, 0.3221,  
0.3602

 53.9186, 0.3308,  
0.3953


 123.3775, 0.3269,  
0.3786

 38.5366, 0.3326,  
0.4036


155.5828, 0.3259,  
0.3748

 26.3994, 0.3347,  
0.4142


192.9550, 0.3251,  
0.3715

 17.1227, 0.3372,  
0.4283

235.8783, 0.3244,  
0.3686

 10.3220, 0.3402,  
0.4479

284.7372, 0.3237,  
0.3661

 5.6130, 0.3433,  
0.4765

339.9161, 0.3231,

 2.6112, 0.3477,

0.3639

0.5257

401.7994, 0.3226,  
0.3620

0.9323, 0.3366,  
0.6634

0.0000, 0.0000,  
0.0000

72.9298, 0.3293,  
0.3886

72.9298, 0.3293,  
0.3886

70.6204, 0.3361,  
0.4176

75.5025, 0.3220,  
0.3610

68.5550, 0.3421,  
0.4472

78.3380, 0.3146,  
0.3353

66.7264, 0.3468,  
0.4763

81.4481, 0.3073,  
0.3118

65.1231, 0.3497,  
0.5035

83.8366, 0.3094,  
0.3045

■ 63.7328, 0.3504,  
0.5273

■ 85.0667, 0.3139,  
0.3048

■ 62.5412, 0.3489,  
0.5465

■ 61.5315, 0.3451,  
0.5601

■ 60.8833, 0.3413,  
0.5672

# Harmonies

## Analogous

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



72.9298, 0.3599, 0.3870



72.9298, 0.3293, 0.3886



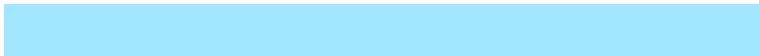
72.9298, 0.2953, 0.3715

# Triad

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



72.9298, 0.3293, 0.3886



72.9298, 0.2507, 0.2846



72.9298, 0.3596, 0.3153

# Complementary

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



72.9298, 0.3293, 0.3886



50.1032, 0.2928, 0.2689

# Split Complementary

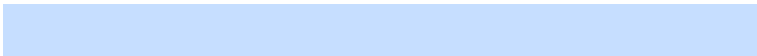
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.9298, 0.3279, 0.2915



72.9298, 0.3293, 0.3886



72.9298, 0.2657, 0.2736

# Square

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



72.9298, 0.3293, 0.3886



72.9298, 0.2512, 0.3088



72.9298, 0.2934, 0.2764



72.9298, 0.3784, 0.3434



# Rectangle

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



72.9298, 0.3293, 0.3886



72.9298, 0.2754, 0.3520



72.9298, 0.2934, 0.2764



72.9298, 0.3500, 0.3067

# Sweetspot

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



72.9330, 0.3293, 0.3886



97.3785, 0.3179, 0.3465



61.9953, 0.3533, 0.3553



20.7963, 0.3184, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

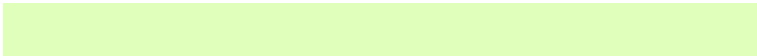


# Same Dimension

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



72.9330, 0.3293, 0.3886



90.8100, 0.3325, 0.4017



69.5778, 0.3115, 0.3920



16.4704, 0.3197, 0.3527



34.5465, 0.3423, 0.5664



2.6080, 0.3530, 0.5579



# Inverse Universe

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



50.1032, 0.2928, 0.2689



57.2807, 0.2879, 0.2557



53.9509, 0.3132, 0.2725



14.2104, 0.3052, 0.3052



5.0346, 0.1951, 0.0848

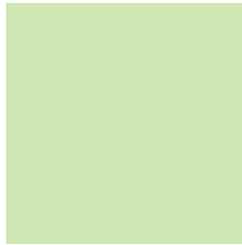


0.4268, 0.2113, 0.0937



# Previews

## White Background



This preview shows how the Yxy color 72.9298, 0.3293, 0.3886 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

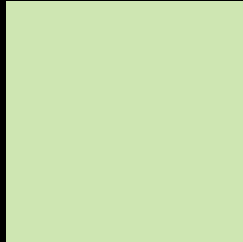
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9298, 0.3293, 0.3886 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

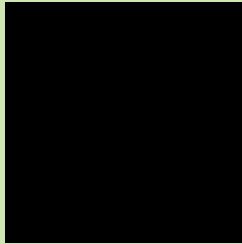
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

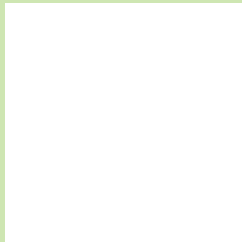
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.9298, 0.3293, 0.3886**

## Background



This preview shows how black text looks on a background with the Yxy color 72.9298, 0.3293, 0.3886.

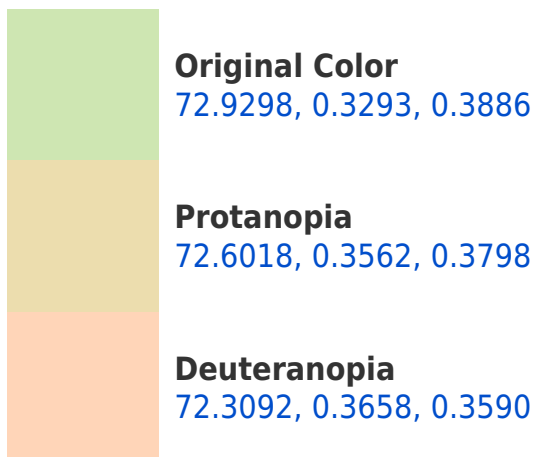


This preview shows how white text looks on a background with the Yxy color 72.9298, 0.3293, 0.3886.

# 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

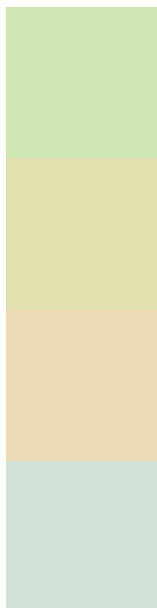




## Tritanopia

72.9216, 0.2971, 0.3107

# Trichromacy



## Original Color

72.9298, 0.3293, 0.3886

## Protanomaly

72.4140, 0.3464, 0.3833

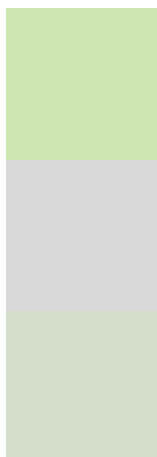
## Deuteranomaly

72.0450, 0.3518, 0.3689

## Tritanomaly

72.8572, 0.3088, 0.3378

# Monochromacy



## Original Color

72.9298, 0.3293, 0.3886

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

70.7005, 0.3188, 0.3504

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9298, 0.3293, 0.3886 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(206, 230, 178)` looks like.

```
.text, #text, p{  
    color:rgb(206, 230, 178)  
}
```

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(206, 230, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 230, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9298, 0.3293, 0.3886 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(206, 230, 178) }
```

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

```
.border{ border-color:rgb(206, 230, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 230, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 230, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 230, 178);  
box-shadow:4px 4px 4px 4px rgb(206, 230,  
178) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.9298, 0.3293, 0.3886$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 230, 178) }
```

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

```
.background{ background-color: rgb(206,  
230, 178) }
```

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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