

# Converting Colors

$Yxy(72.0036, 0.3296, 0.3601)$

Have a look what the booklet for  
Yxy(72.0036, 0.3296, 0.3601)  
contains.

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# Color

**Yxy(72.0876, 0.3299, 0.3601)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDDFC3
RGB	221, 223, 195
RGB Percent	87%, 87%, 76%
CMY	0.1336, 0.1254, 0.2353
CMYK	0.01, 0.00, 0.13, 0.13
HSL	64°, 30%, 82%
HSV	64°, 13%, 87%
XYZ	66.0419, 72.0876, 62.0582
YIQ	219.2100, 7.7960, -9.1320

# Conversions

## Conversions Part 2

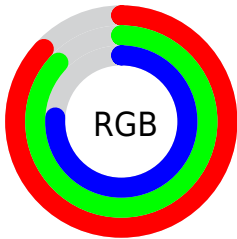
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 223, 197
Decimal	14540739
CIELab	88.01, -5.46, 13.51
CIELCh	88, 14.570, 112.029
Yxy	72.0876, 0.3299, 0.3601
Android (android.graphics.Color)	4292730819 (0xFFDDDFC3)
YUV	219.2100, -11.9355, 1.5698
Hunter-Lab	84.9044, -9.7385, 16.0969

# Details

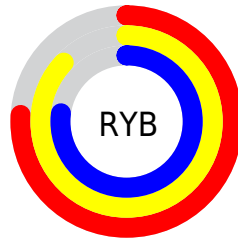
The Yxy color **72.0876, 0.3299, 0.3601** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.2372, 0.2943, 0.2962**, and the grayscale version is **71.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **38.0353, 0.3344, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **70.8970, 0.3438, 0.3857**, and if you desaturate by 10%, it is **73.4378, 0.3162, 0.3352**.

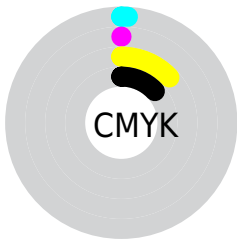
# Distribution



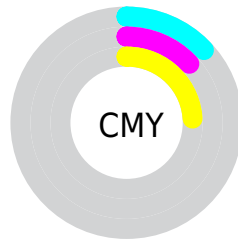
- Red (87%)
- Green (87%)
- Blue (76%)



- Red (76%)
- Yellow (87%)
- Blue (77%)



- Cyan (1%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0876, 0.3299, 0.3601 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 72.0876, 0.3299, 0.3601 by changing the saturation by 10% instead.



72.0876, 0.3299,  
0.3601

72.0876, 0.3299,  
0.3601

467.8464, 0.3220,  
0.3455

53.2302, 0.3317,  
0.3635

122.1811, 0.3272,  
0.3550

37.9866, 0.3339,  
0.3677

154.1860, 0.3261,  
0.3530

25.9723, 0.3366,  
0.3730

191.3422, 0.3252,  
0.3513

16.8029, 0.3402,  
0.3801

234.0340, 0.3244,  
0.3499

10.0941, 0.3450,  
0.3898

282.6460, 0.3237,  
0.3486

5.4614, 0.3517,  
0.4040

337.5625, 0.3231,

2.5204, 0.3617,

0.3474

0.4265

399.1678, 0.3225,  
0.3464

0.8868, 0.4386,  
0.5482

0.0000, 0.0000,  
0.0000

72.0876, 0.3299,  
0.3601

72.0876, 0.3299,  
0.3601

70.8970, 0.3438,  
0.3857

73.4378, 0.3162,  
0.3352

69.8498, 0.3575,  
0.4112

74.9443, 0.3030,  
0.3115

68.9420, 0.3704,  
0.4357

76.1638, 0.2946,  
0.2961

68.1659, 0.3820,  
0.4584

76.4333, 0.2957,  
0.2962

67.5129, 0.3917,  
0.4781

76.7053, 0.2968,  
0.2963

66.9734, 0.3990,  
0.4939

76.9800, 0.2979,  
0.2964

66.5364, 0.4037,  
0.5055

77.2573, 0.2990,  
0.2965

66.1886, 0.4059,  
0.5126

77.5372, 0.3001,  
0.2966

65.9717, 0.4062,  
0.5157

77.8198, 0.3012,  
0.2967

# Harmonies

## Analogous

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



72.0876, 0.3428, 0.3559



72.0876, 0.3299, 0.3601



72.0876, 0.3126, 0.3555

# Triad

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



72.0876, 0.3299, 0.3601



72.0876, 0.2790, 0.3119



72.0876, 0.3296, 0.3153

# Complementary

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



72.0876, 0.3299, 0.3601



56.2372, 0.2943, 0.2962

# Split Complementary

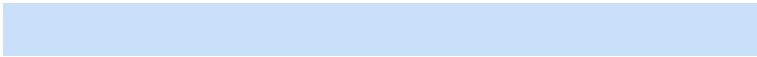
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.0876, 0.3121, 0.3043



72.0876, 0.3299, 0.3601



72.0876, 0.2832, 0.3020

# Square

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



72.0876, 0.3299, 0.3601



72.0876, 0.2835, 0.3270



72.0876, 0.2951, 0.2994



72.0876, 0.3428, 0.3299



# Rectangle

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



72.0876, 0.3299, 0.3601



72.0876, 0.3010, 0.3479



72.0876, 0.2951, 0.2994



72.0876, 0.3240, 0.3111

# Sweetspot

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



72.0908, 0.3299, 0.3601



99.2167, 0.3182, 0.3388



59.5015, 0.3352, 0.3312



21.2058, 0.3192, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

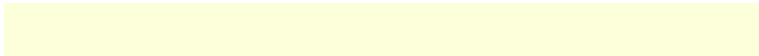


# Same Dimension

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



72.0908, 0.3299, 0.3601



97.2409, 0.3334, 0.3666



70.0138, 0.3198, 0.3611



15.9750, 0.3256, 0.3522



38.8026, 0.4064, 0.5155



2.7053, 0.4085, 0.5138



# Inverse Universe

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



56.2372, 0.2943, 0.2962



71.8696, 0.2902, 0.2889



58.1870, 0.3048, 0.2972



13.2918, 0.2992, 0.3048



3.2189, 0.1525, 0.0614

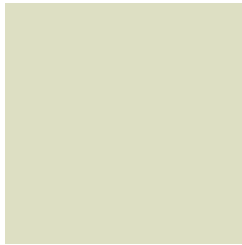


0.2404, 0.1594, 0.0652



# Previews

## White Background



This preview shows how the Yxy color 72.0876, 0.3299, 0.3601 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 72.0876, 0.3299, 0.3601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

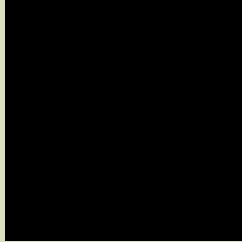
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

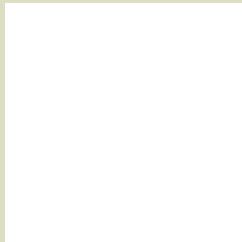
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.0876, 0.3299, 0.3601**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0876, 0.3299, 0.3601.



This preview shows how white text looks on a background with the Yxy color 72.0876, 0.3299, 0.3601.

# 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

72.0876, 0.3299, 0.3601

### Protanopia

72.0256, 0.3392, 0.3584

### Deuteranopia

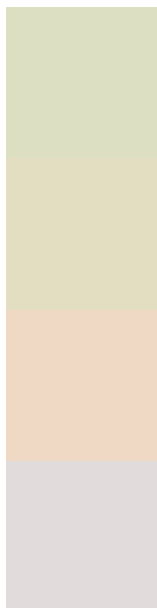
72.1289, 0.3530, 0.3457



## Tritanopia

71.8971, 0.3086, 0.3110

# Trichromacy



## Original Color

72.0876, 0.3299, 0.3601

## Protanomaly

71.9388, 0.3354, 0.3586

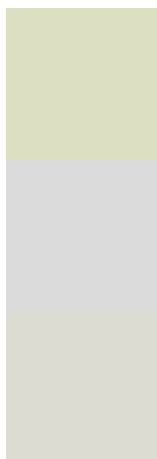
## Deuteranomaly

72.1365, 0.3445, 0.3514

## Tritanomaly

71.8379, 0.3164, 0.3279

# Monochromacy



## Original Color

72.0876, 0.3299, 0.3601

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.0552, 0.3194, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0876, 0.3299, 0.3601 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(221, 223, 195)` looks like.

```
.text, #text, p{  
    color:rgb(221, 223, 195)  
}
```

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(221, 223, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 223, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0876, 0.3299, 0.3601 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(221, 223, 195) }
```

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

```
.border{ border-color:rgb(221, 223, 195) }
```

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

Here you see how a box with a 4 pixel rgb(221, 223, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 223, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 223, 195);  
box-shadow:4px 4px 4px 4px rgb(221, 223,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0876, 0.3299, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 223, 195) }
```

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

```
.background{ background-color: rgb(221,  
223, 195) }
```

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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