

# Converting Colors

$Yxy(72.6937, 0.3274, 0.3533)$

Have a look what the booklet for  
Yxy(72.6937, 0.3274, 0.3533)  
contains.

<b>Yxy(72.6804, 0.3274, 0.3532)</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(72.6804, 0.3274, 0.3532)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFDFC9
RGB	223, 223, 201
RGB Percent	87%, 87%, 79%
CMY	0.1253, 0.1255, 0.2118
CMYK	0.00, 0.00, 0.10, 0.13
HSL	60°, 26%, 83%
HSV	60°, 10%, 87%
XYZ	67.3714, 72.6804, 65.7251
YIQ	220.4920, 7.0620, -6.8420

# Conversions

## Conversions Part 2

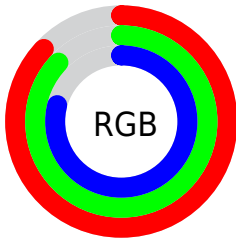
Format	Color
<a href="#">RYB</a>	<a href="#">201, 223, 201</a>
Decimal	<a href="#">14671817</a>
CIELab	<a href="#">88.30, -3.74, 10.79</a>
CIELCh	<a href="#">88, 11.422, 109.106</a>
Yxy	<a href="#">72.6804, 0.3274, 0.3532</a>
Android (android.graphics.Color)	<a href="#">4292861897</a> ( <a href="#">0xFFDFDFC9</a> )
YUV	<a href="#">220.4920, -9.6096, 2.1995</a>
Hunter-Lab	<a href="#">85.2528, -8.1321, 13.9677</a>

# Details

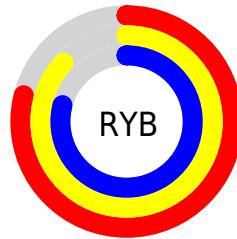
The Yxy color **72.6804, 0.3274, 0.3532** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.5385, 0.2973, 0.3036**, and the grayscale version is **72.0023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4367, 0.3310, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **71.6776, 0.3426, 0.3783**, and if you desaturate by 10%, it is **73.8420, 0.3126, 0.3287**.

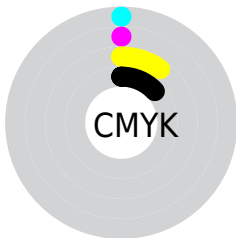
# Distribution



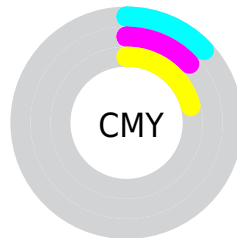
- Red (87%)
- Green (87%)
- Blue (79%)



- Red (79%)
- Yellow (87%)
- Blue (79%)



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



- Cyan (13%)
- Magenta (13%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6804, 0.3274, 0.3532 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 72.6804, 0.3274, 0.3532 by changing the saturation by 10% instead.



■ 72.6804, 0.3274,  
0.3532

■ 72.6804, 0.3274,  
0.3532

469.9064, 0.3206,  
0.3419

■ 53.7147, 0.3289,  
0.3558

123.0234, 0.3251,  
0.3493

■ 38.3736, 0.3308,  
0.3590

155.1694, 0.3242,  
0.3477

■ 26.2728, 0.3332,  
0.3631

192.4777, 0.3234,  
0.3464

■ 17.0278, 0.3363,  
0.3686

235.3326, 0.3227,  
0.3453

■ 10.2543, 0.3405,  
0.3760

284.1185, 0.3221,  
0.3443

■ 5.5679, 0.3465,  
0.3868

339.2199, 0.3215,

■ 2.5842, 0.3556,

0.3434

0.4040

401.0210, 0.3211,  
0.3426

0.9187, 0.4017,  
0.4722

0.0000, 0.0000,  
0.0000

72.6804, 0.3274,  
0.3532

72.6804, 0.3274,  
0.3532

71.6776, 0.3426,  
0.3783

73.8420, 0.3126,  
0.3287

70.8176, 0.3578,  
0.4032

75.1589, 0.2984,  
0.3054

70.0964, 0.3723,  
0.4272

75.7814, 0.2927,  
0.2960

69.5066, 0.3857,  
0.4492

75.8128, 0.2927,  
0.2961

69.0397, 0.3974,  
0.4684

75.8442, 0.2927,  
0.2961

68.6865, 0.4068,  
0.4837

75.8756, 0.2927,  
0.2962

68.4364, 0.4136,  
0.4949

75.9070, 0.2927,  
0.2963

68.2769, 0.4178,  
0.5017

75.9384, 0.2927,  
0.2963

68.1861, 0.4198,  
0.5049

75.9699, 0.2927,  
0.2964

# Harmonies

## Analogous

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



72.6804, 0.3369, 0.3494



72.6804, 0.3274, 0.3532



72.6804, 0.3141, 0.3502

# Triad

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



72.6804, 0.3274, 0.3532



72.6804, 0.2863, 0.3167



72.6804, 0.3247, 0.3173

# Complementary

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



72.6804, 0.3274, 0.3532



59.5385, 0.2973, 0.3036

# 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.



72.6804, 0.3109, 0.3090



72.6804, 0.3274, 0.3532



72.6804, 0.2889, 0.3084

# Square

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



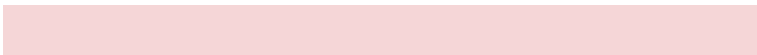
72.6804, 0.3274, 0.3532



72.6804, 0.2905, 0.3288



72.6804, 0.2979, 0.3057



72.6804, 0.3354, 0.3286



# Rectangle

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



72.6804, 0.3274, 0.3532



72.6804, 0.3049, 0.3447



72.6804, 0.2979, 0.3057



72.6804, 0.3203, 0.3140

# Sweetspot

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



72.6836, 0.3274, 0.3532



99.5042, 0.3171, 0.3363



61.6953, 0.3298, 0.3286



21.2703, 0.3183, 0.3383



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.



72.6836, 0.3274, 0.3532



98.1322, 0.3307, 0.3587



71.0729, 0.3196, 0.3538



16.0231, 0.3267, 0.3521



40.0742, 0.4198, 0.5049



2.7798, 0.4197, 0.5050



# Inverse Universe

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



59.5385, 0.2973, 0.3036



76.7012, 0.2936, 0.2975



61.0411, 0.3052, 0.3041



13.2491, 0.2980, 0.3048



3.1427, 0.1501, 0.0602

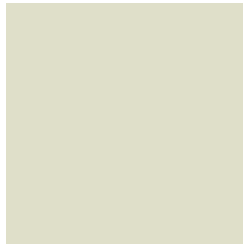


0.2199, 0.1502, 0.0607



# Previews

## White Background



This preview shows how the Yxy color 72.6804, 0.3274, 0.3532 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 72.6804, 0.3274, 0.3532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

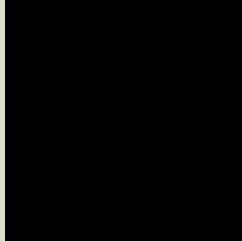
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

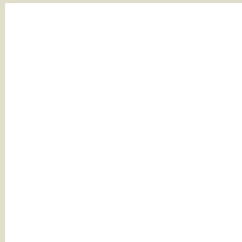
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.6804, 0.3274, 0.3532**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6804, 0.3274, 0.3532.



This preview shows how white text looks on a background with the Yxy color 72.6804, 0.3274, 0.3532.

# 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

72.6804, 0.3274, 0.3532

### Protanopia

72.7060, 0.3335, 0.3518

### Deuteranopia

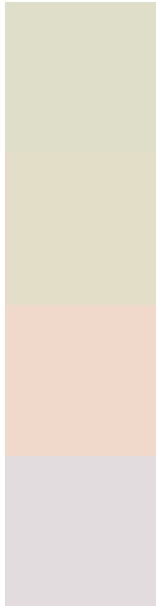
72.7289, 0.3476, 0.3405



## Tritanopia

72.6349, 0.3086, 0.3110

# Trichromacy



## Original Color

72.6804, 0.3274, 0.3532

## Protanomaly

72.7436, 0.3311, 0.3530

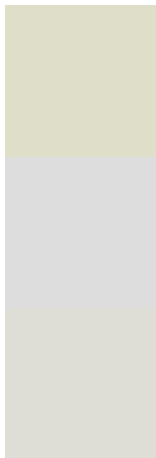
## Deuteranomaly

72.4152, 0.3402, 0.3450

## Tritanomaly

72.6829, 0.3150, 0.3258

# Monochromacy



## Original Color

72.6804, 0.3274, 0.3532

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.6272, 0.3180, 0.3377

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6804, 0.3274, 0.3532 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(223, 223, 201)` looks like.

```
.text, #text, p{  
    color:rgb(223, 223, 201)  
}
```

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(223, 223, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 223, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6804, 0.3274, 0.3532 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(223, 223, 201) }
```

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

```
.border{ border-color:rgb(223, 223, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 223, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 223, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 223, 201);  
box-shadow:4px 4px 4px 4px rgb(223, 223,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6804, 0.3274, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 223, 201) }
```

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

```
.background{ background-color: rgb(223,  
223, 201) }
```

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