

# Converting Colors

Yxy(67.2106, 0.3376, 0.3594)

Have a look what the booklet for  
Yxy(67.2106, 0.3376, 0.3594)  
contains.

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# Color

**Yxy(67.2106, 0.3376, 0.3594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED6BB
RGB	222, 214, 187
RGB Percent	87%, 84%, 73%
CMY	0.1295, 0.1607, 0.2666
CMYK	0.00, 0.04, 0.16, 0.13
HSL	46°, 35%, 80%
HSV	46°, 16%, 87%
XYZ	63.1338, 67.2106, 56.6634
YIQ	213.3140, 13.4350, -6.7010

# Conversions

## Conversions Part 2

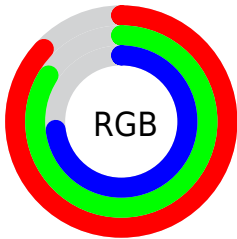
Format	Color
<a href="#">RYB</a>	<a href="#">197, 222, 187</a>
Decimal	<a href="#">14603963</a>
CIELab	<a href="#">85.61, -1.72, 14.32</a>
CIELCh	<a href="#">86, 14.422, 96.833</a>
Yxy	<a href="#">67.2106, 0.3376, 0.3594</a>
Android (android.graphics.Color)	<a href="#">4292794043 (0xFFDED6BB)</a>
YUV	<a href="#">213.3140, -12.9728, 7.6176</a>
Hunter-Lab	<a href="#">81.9821, -6.0070, 16.4081</a>

# Details

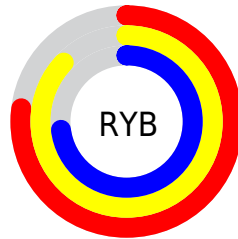
The Yxy color **67.2106, 0.3376, 0.3594** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.8520, 0.2876, 0.2966**, and the grayscale version is **66.8419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **34.7330, 0.3439, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **63.8180, 0.3549, 0.3795**, and if you desaturate by 10%, it is **70.8354, 0.3214, 0.3399**.

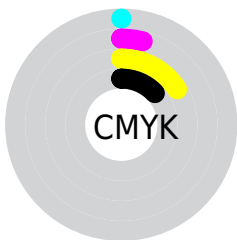
# Distribution



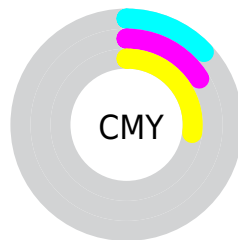
- Red (87%)
- Green (84%)
- Blue (73%)



- Red (77%)
- Yellow (87%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (16%)
- Black (13%)



- Cyan (13%)
- Magenta (16%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2106, 0.3376, 0.3594 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 67.2106, 0.3376, 0.3594 by changing the saturation by 10% instead.



67.2106, 0.3376,  
0.3594

67.2106, 0.3376,  
0.3594

450.6940, 0.3260,  
0.3451

49.2558, 0.3403,  
0.3627

115.2221, 0.3335,  
0.3544

34.8224, 0.3436,  
0.3669

146.0476, 0.3320,  
0.3524

23.5261, 0.3479,  
0.3722

181.9322, 0.3306,  
0.3508

14.9825, 0.3534,  
0.3792

223.2601, 0.3294,  
0.3493

8.8071, 0.3611,  
0.3888

270.4159, 0.3284,  
0.3481

4.6156, 0.3721,  
0.4029

323.7839, 0.3275,

2.0235, 0.3893,

0.3470

0.4255

383.7485, 0.3267,  
0.3460

0.6211, 0.4689,  
0.5311

0.0000, 0.0000,  
0.0000

67.2106, 0.3376,  
0.3594

67.2106, 0.3376,  
0.3594

63.8180, 0.3549,  
0.3795

70.8354, 0.3214,  
0.3399

60.6412, 0.3729,  
0.3994

74.6904, 0.3065,  
0.3212

57.6752, 0.3913,  
0.4186

78.7852, 0.2930,  
0.3037

54.9114, 0.4094,  
0.4359

81.7134, 0.2923,  
0.3076

■ 52.3403, 0.4264,  
0.4503

■ 84.6337, 0.2924,  
0.3129

■ 49.9513, 0.4415,  
0.4608

■ 87.6367, 0.2926,  
0.3181

■ 47.7322, 0.4540,  
0.4668

■ 90.7231, 0.2927,  
0.3232

■ 45.6680, 0.4634,  
0.4679

■ 93.8934, 0.2928,  
0.3284

■ 44.8269, 0.4669,  
0.4675

■ 94.2647, 0.2929,  
0.3289

# Harmonies

## Analogous

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



67.2106, 0.3469, 0.3512



67.2106, 0.3376, 0.3594



67.2106, 0.3217, 0.3594

# Triad

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



67.2106, 0.3376, 0.3594



67.2106, 0.2798, 0.3189



67.2106, 0.3211, 0.3089

# Complementary

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



67.2106, 0.3376, 0.3594



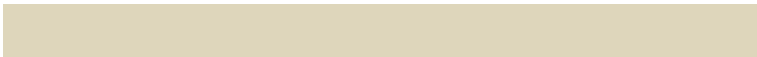
54.8520, 0.2876, 0.2966

# 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.



67.2106, 0.3030, 0.3006



67.2106, 0.3376, 0.3594



67.2106, 0.2796, 0.3059

# Square

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



67.2106, 0.3376, 0.3594



67.2106, 0.2885, 0.3354



67.2106, 0.2879, 0.2994



67.2106, 0.3372, 0.3222



# Rectangle

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



67.2106, 0.3376, 0.3594



67.2106, 0.3097, 0.3543



67.2106, 0.2879, 0.2994



67.2106, 0.3150, 0.3054

# Sweetspot

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



67.2136, 0.3376, 0.3594



97.3689, 0.3203, 0.3385



55.0169, 0.3356, 0.3197



20.7632, 0.3214, 0.3398



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.



67.2136, 0.3376, 0.3594



90.4303, 0.3434, 0.3662



69.9076, 0.3293, 0.3688



15.4730, 0.3273, 0.3470



26.8094, 0.4660, 0.4682



1.9892, 0.4574, 0.4750



# Inverse Universe

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



54.8520, 0.2876, 0.2966



70.3425, 0.2818, 0.2888



52.5971, 0.2943, 0.2877



13.7467, 0.2981, 0.3103



4.6524, 0.1570, 0.0850

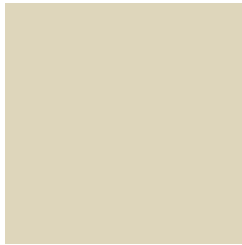


0.4570, 0.1649, 0.1137



# Previews

## White Background



This preview shows how the Yxy color 67.2106, 0.3376, 0.3594 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

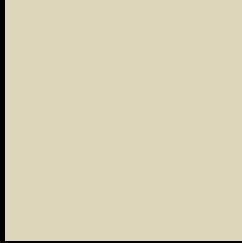
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.2106, 0.3376, 0.3594 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

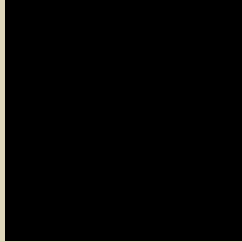
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

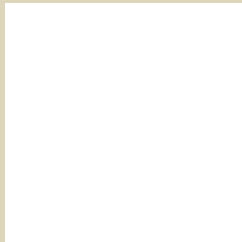
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.2106, 0.3376, 0.3594**

## Background



This preview shows how black text looks on a background with the Yxy color 67.2106, 0.3376, 0.3594.

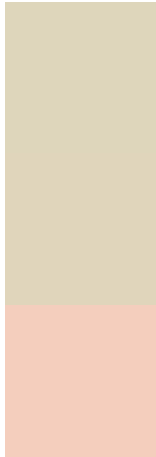


This preview shows how white text looks on a background with the Yxy color 67.2106, 0.3376, 0.3594.

# 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

67.2106, 0.3376, 0.3594

### Protanopia

67.0236, 0.3394, 0.3582

### Deuteranopia

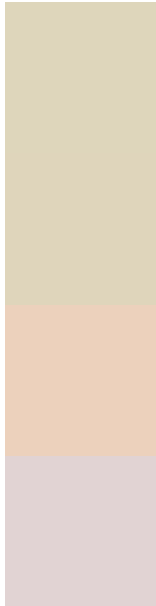
67.0498, 0.3551, 0.3473



## Tritanopia

67.3681, 0.3150, 0.3118

# Trichromacy



## Original Color

67.2106, 0.3376, 0.3594

## Protanomaly

66.8643, 0.3386, 0.3582

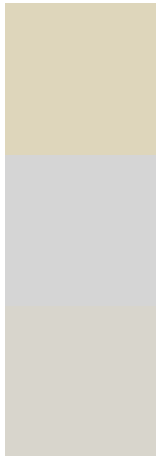
## Deuteranomaly

67.0646, 0.3488, 0.3519

## Tritanomaly

67.2992, 0.3232, 0.3290

# Monochromacy



## Original Color

67.2106, 0.3376, 0.3594

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.5471, 0.3211, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2106, 0.3376, 0.3594 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(222, 214, 187)` looks like.

```
.text, #text, p{  
    color:rgb(222, 214, 187)  
}
```

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(222, 214, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 214, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2106, 0.3376, 0.3594 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(222, 214, 187) }
```

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

```
.border{ border-color:rgb(222, 214, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 214, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 214, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 214, 187);  
box-shadow:4px 4px 4px 4px rgb(222, 214,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2106, 0.3376, 0.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 214, 187) }
```

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

```
.background{ background-color: rgb(222,  
214, 187) }
```

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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