

# Converting Colors

$Yxy(71.6358, 0.3295, 0.3626)$

Have a look what the booklet for  
Yxy(71.6358, 0.3295, 0.3626)  
contains.

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# Color

**Yxy(71.6857, 0.3298, 0.3625)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBDFC1
RGB	219, 223, 193
RGB Percent	86%, 87%, 76%
CMY	0.1413, 0.1254, 0.2431
CMYK	0.02, 0.00, 0.13, 0.13
HSL	68°, 32%, 82%
HSV	68°, 13%, 87%
XYZ	65.2192, 71.6857, 60.8488
YIQ	218.3840, 7.2460, -10.1780

# Conversions

## Conversions Part 2

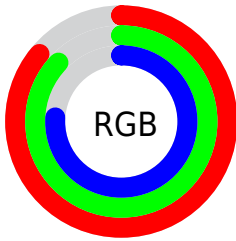
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 223, 197
Decimal	14409665
CIELab	87.82, -6.48, 14.26
CIELCh	88, 15.659, 114.432
Yxy	71.6857, 0.3298, 0.3625
Android (android.graphics.Color)	4292599745 (0xFFDBDFC1)
YUV	218.3840, -12.5143, 0.5402
Hunter-Lab	84.6674, -10.6697, 16.6566

# Details

The Yxy color **71.6857, 0.3298, 0.3625** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.3435, 0.2943, 0.2938**, and the grayscale version is **70.4728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **37.7619, 0.3342, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **70.3054, 0.3427, 0.3884**, and if you desaturate by 10%, it is **73.2308, 0.3170, 0.3374**.

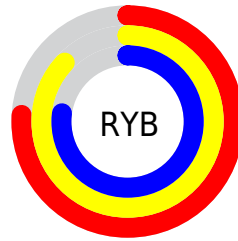
# Distribution



Red (86%)

Green (87%)

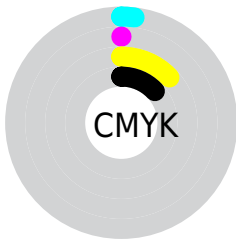
Blue (76%)



Red (76%)

Yellow (87%)

Blue (77%)

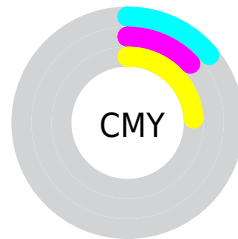


Cyan (2%)

Magenta (0%)

Yellow (13%)

Black (13%)



Cyan (14%)

Magenta (13%)


Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6857, 0.3298, 0.3625 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 71.6857, 0.3298, 0.3625 by changing the saturation by 10% instead.



 71.6857, 0.3298,  
0.3625

 71.6857, 0.3298,  
0.3625

466.4469, 0.3220,  
0.3468

 52.9020, 0.3316,  
0.3662

 121.6096, 0.3271,  
0.3570

 37.7245, 0.3337,  
0.3707

153.5185, 0.3260,  
0.3549

 25.7689, 0.3364,  
0.3765


190.5713, 0.3251,  
0.3530

 16.6509, 0.3400,  
0.3842

233.1523, 0.3243,  
0.3514

 9.9859, 0.3447,  
0.3948

281.6460, 0.3236,  
0.3501

 5.3896, 0.3512,  
0.4103

336.4367, 0.3230,

 2.4776, 0.3608,

0.3488

0.4350

397.9089, 0.3225,  
0.3477

0.8654, 0.4343,  
0.5657

0.0000, 0.0000,  
0.0000

71.6857, 0.3298,  
0.3625

71.6857, 0.3298,  
0.3625

70.3054, 0.3427,  
0.3884

73.2308, 0.3170,  
0.3374

69.0737, 0.3552,  
0.4145

74.9376, 0.3047,  
0.3136

67.9865, 0.3669,  
0.4397

76.4955, 0.2959,  
0.2962

67.0360, 0.3772,  
0.4632

76.9914, 0.2979,  
0.2964

66.2134, 0.3856,  
0.4838

77.4960, 0.2999,  
0.2966

65.5091, 0.3916,  
0.5006

78.0092, 0.3019,  
0.2968

64.9118, 0.3951,  
0.5130

78.5311, 0.3040,  
0.2970

64.4080, 0.3959,  
0.5209

79.0616, 0.3060,  
0.2972

64.1146, 0.3955,  
0.5242

79.6010, 0.3080,  
0.2974

# Harmonies

## Analogous

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



71.6857, 0.3443, 0.3586



71.6857, 0.3298, 0.3625



71.6857, 0.3110, 0.3568

# Triad

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



71.6857, 0.3298, 0.3625



71.6857, 0.2765, 0.3094



71.6857, 0.3323, 0.3155

# Complementary

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



71.6857, 0.3298, 0.3625



55.3435, 0.2943, 0.2938

# 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.



71.6857, 0.3135, 0.3032



71.6857, 0.3298, 0.3625



71.6857, 0.2817, 0.2994

# Square

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



71.6857, 0.3298, 0.3625



71.6857, 0.2806, 0.3253



71.6857, 0.2951, 0.2974



71.6857, 0.3459, 0.3312



# Rectangle

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



71.6857, 0.3298, 0.3625



71.6857, 0.2986, 0.3483



71.6857, 0.2951, 0.2974



71.6857, 0.3263, 0.3108

# Sweetspot

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



71.6888, 0.3298, 0.3625



99.1005, 0.3178, 0.3388



59.4729, 0.3367, 0.3336



21.1762, 0.3187, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

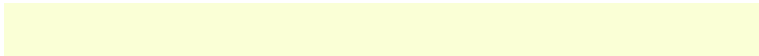


# Same Dimension

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



71.6888, 0.3298, 0.3625



96.6170, 0.3332, 0.3693



69.4716, 0.3189, 0.3636



15.9310, 0.3247, 0.3523



37.7288, 0.3959, 0.5239



2.6414, 0.3997, 0.5208



# Inverse Universe

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



55.3435, 0.2943, 0.2938



70.5833, 0.2902, 0.2862



57.4656, 0.3057, 0.2950



13.3314, 0.3001, 0.3049



3.3234, 0.1554, 0.0630

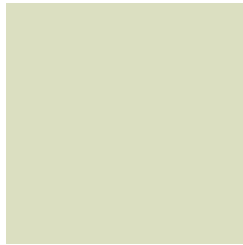


0.2593, 0.1667, 0.0692



# Previews

## White Background



This preview shows how the Yxy color 71.6857, 0.3298, 0.3625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

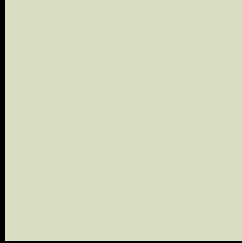
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.6857, 0.3298, 0.3625 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

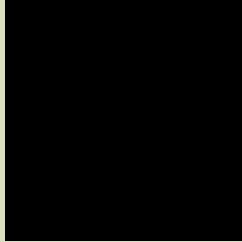
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

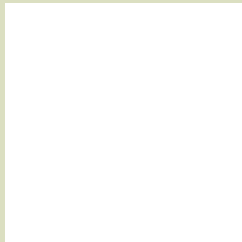
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.6857, 0.3298, 0.3625**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6857, 0.3298, 0.3625.

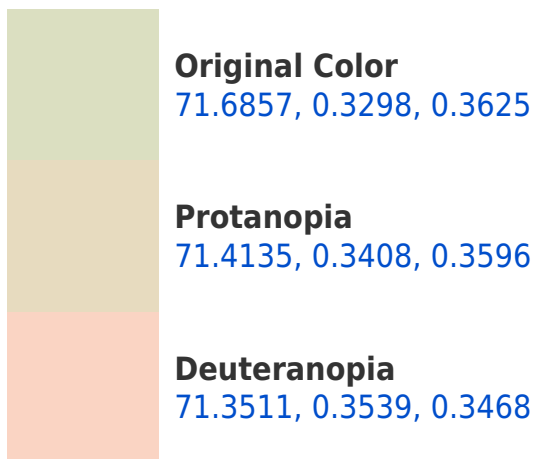


This preview shows how white text looks on a background with the Yxy color 71.6857, 0.3298, 0.3625.

# 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

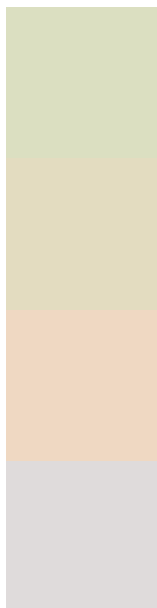




## Tritanopia

71.5738, 0.3072, 0.3109

# Trichromacy



## Original Color

71.6857, 0.3298, 0.3625

## Protanomaly

71.3231, 0.3369, 0.3598

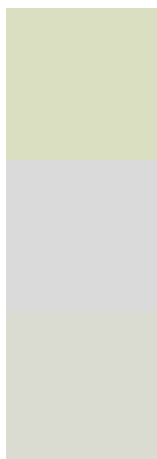
## Deuteranomaly

71.3575, 0.3453, 0.3526

## Tritanomaly

71.4655, 0.3156, 0.3290

# Monochromacy



## Original Color

71.6857, 0.3298, 0.3625

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.6953, 0.3186, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6857, 0.3298, 0.3625 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(219, 223, 193)` looks like.

```
.text, #text, p{  
    color:rgb(219, 223, 193)  
}
```

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(219, 223, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 223, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6857, 0.3298, 0.3625 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(219, 223, 193) }
```

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

```
.border{ border-color:rgb(219, 223, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 223, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 223, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 223, 193);  
box-shadow:4px 4px 4px 4px rgb(219, 223,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6857, 0.3298, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 223, 193) }
```

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

```
.background{ background-color: rgb(219,  
223, 193) }
```

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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