

# Converting Colors

$Yxy(71.2915, 0.3343, 0.3639)$

Have a look what the booklet for  
Yxy(71.2915, 0.3343, 0.3639)  
contains.

<b>Yxy(71.4899, 0.3342, 0.3646)</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(71.4899, 0.3342, 0.3646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDEBE
RGB	222, 222, 190
RGB Percent	87%, 87%, 75%
CMY	0.1296, 0.1293, 0.2549
CMYK	0.00, 0.00, 0.14, 0.13
HSL	60°, 33%, 81%
HSV	60°, 14%, 87%
XYZ	65.5291, 71.4899, 59.0586
YIQ	218.3520, 10.2720, -9.9520

# Conversions

## Conversions Part 2

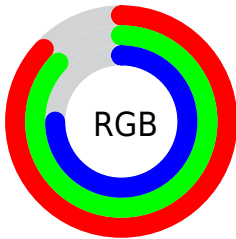
Format	Color
<a href="#">RYB</a>	<a href="#">190, 222, 190</a>
Decimal	<a href="#">14606014</a>
CIELab	<a href="#">87.72, -5.37, 15.73</a>
CIELCh	<a href="#">88, 16.618, 108.859</a>
Yxy	<a href="#">71.4899, 0.3342, 0.3646</a>
Android (android.graphics.Color)	<a href="#">4292796094 (0xFFDEDEBE)</a>
YUV	<a href="#">218.3520, -13.9775, 3.1993</a>
Hunter-Lab	<a href="#">84.5517, -9.6247, 17.7727</a>

# Details

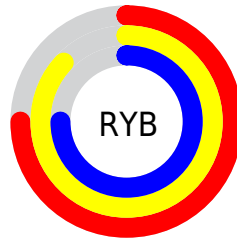
The Yxy color **71.4899, 0.3342, 0.3646** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.0565, 0.2896, 0.2907**, and the grayscale version is **70.4573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **37.6591, 0.3391, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **70.5880, 0.3494, 0.3898**, and if you desaturate by 10%, it is **72.5460, 0.3192, 0.3397**.

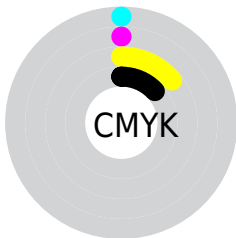
# Distribution



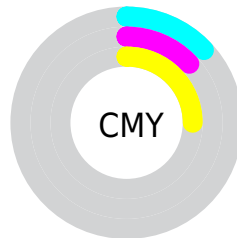
- Red (87%)
- Green (87%)
- Blue (75%)



- Red (75%)
- Yellow (87%)
- Blue (75%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)




- Cyan (13%)
- Magenta (13%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4899, 0.3342, 0.3646 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 71.4899, 0.3342, 0.3646 by changing the saturation by 10% instead.




 71.4899, 0.3342,  
0.3646

 71.4899, 0.3342,  
0.3646

465.7642, 0.3243,  
0.3479

 52.7421, 0.3364,  
0.3685


 121.3310, 0.3308,  
0.3588

 37.5969, 0.3392,  
0.3733

153.1931, 0.3295,  
0.3565

 25.6700, 0.3426,  
0.3794

190.1955, 0.3283,  
0.3546

 16.5769, 0.3471,  
0.3875

232.7224, 0.3273,  
0.3529

 9.9333, 0.3531,  
0.3986

281.1583, 0.3264,  
0.3514

 5.3548, 0.3614,  
0.4147

335.8877, 0.3256,

 2.4569, 0.3737,

0.3501

0.4402

397.2948, 0.3250,  
0.3489

0.8549, 0.4435,  
0.5565

0.0000, 0.0000,  
0.0000

71.4899, 0.3342,  
0.3646

71.4899, 0.3342,  
0.3646

70.5880, 0.3494,  
0.3898

72.5460, 0.3192,  
0.3397

69.8241, 0.3643,  
0.4145

73.7531, 0.3047,  
0.3158

69.1943, 0.3783,  
0.4378

75.0165, 0.2920,  
0.2947

68.6907, 0.3909,  
0.4587

75.0235, 0.2921,  
0.2947

68.3047, 0.4015,  
0.4762

75.0305, 0.2921,  
0.2947

68.0266, 0.4096,  
0.4898

75.0376, 0.2921,  
0.2948

67.8452, 0.4151,  
0.4990

75.0446, 0.2922,  
0.2948

67.7468, 0.4181,  
0.5040

75.0516, 0.2922,  
0.2948

67.7154, 0.4190,  
0.5055

75.0587, 0.2922,  
0.2948

# Harmonies

## Analogous

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



71.4899, 0.3483, 0.3586



71.4899, 0.3342, 0.3646



71.4899, 0.3147, 0.3605

# Triad

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



71.4899, 0.3342, 0.3646



71.4899, 0.2744, 0.3109



71.4899, 0.3300, 0.3118

# Complementary

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



71.4899, 0.3342, 0.3646



53.0565, 0.2896, 0.2907

# Split Complementary

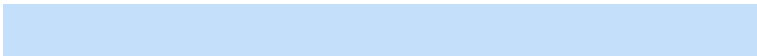
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.4899, 0.3097, 0.3000



71.4899, 0.3342, 0.3646



71.4899, 0.2781, 0.2990

# Square

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



71.4899, 0.3342, 0.3646



71.4899, 0.2805, 0.3286



71.4899, 0.2908, 0.2952



71.4899, 0.3459, 0.3281



# Rectangle

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



71.4899, 0.3342, 0.3646



71.4899, 0.3013, 0.3524



71.4899, 0.2908, 0.2952



71.4899, 0.3235, 0.3072

# Sweetspot

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



71.4930, 0.3342, 0.3646



99.3565, 0.3186, 0.3388



56.0766, 0.3394, 0.3291



21.2413, 0.3197, 0.3406



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.



71.4930, 0.3342, 0.3646



97.4993, 0.3383, 0.3714



69.0936, 0.3224, 0.3659



16.0281, 0.3267, 0.3522



40.2143, 0.4190, 0.5055



2.7879, 0.4190, 0.5055



# Inverse Universe

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



53.0565, 0.2896, 0.2907



68.0901, 0.2848, 0.2828



55.2244, 0.3018, 0.2921



13.2446, 0.2981, 0.3048



3.1349, 0.1501, 0.0600

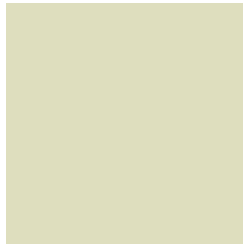


0.2178, 0.1503, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 71.4899, 0.3342, 0.3646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

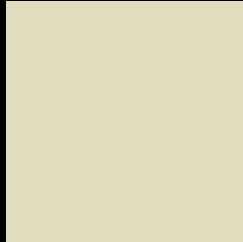
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4899, 0.3342, 0.3646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

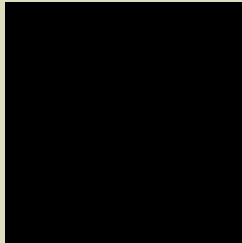
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

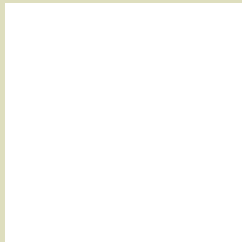
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.4899, 0.3342, 0.3646**

## Background



This preview shows how black text looks on a background with the Yxy color 71.4899, 0.3342, 0.3646.



This preview shows how white text looks on a background with the Yxy color 71.4899, 0.3342, 0.3646.

# 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

71.4899, 0.3342, 0.3646

### Protanopia

71.3261, 0.3422, 0.3618

### Deuteranopia

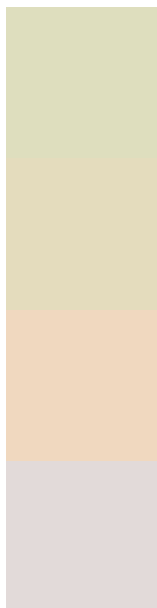
71.4020, 0.3570, 0.3499



## Tritanopia

71.4889, 0.3100, 0.3110

# Trichromacy



## Original Color

71.4899, 0.3342, 0.3646

## Protanomaly

71.3545, 0.3398, 0.3631

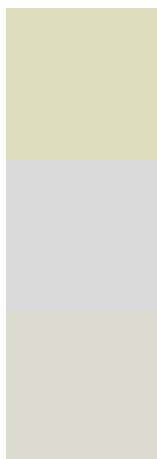
## Deuteranomaly

71.3986, 0.3483, 0.3558

## Tritanomaly

71.3213, 0.3192, 0.3301

# Monochromacy



## Original Color

71.4899, 0.3342, 0.3646

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.2772, 0.3201, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4899, 0.3342, 0.3646 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, 222, 190)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 190)  
}
```

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, 222, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4899, 0.3342, 0.3646 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, 222, 190) }
```

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

```
.border{ border-color:rgb(222, 222, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 222, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 190);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4899, 0.3342, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 190) }
```

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

```
.background{ background-color: rgb(222,  
222, 190) }
```

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