

# Converting Colors

$Yxy(62.7694, 0.3442, 0.3599)$

Have a look what the booklet for  
Yxy(62.7694, 0.3442, 0.3599)  
contains.

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# Color

**Yxy(62.7694, 0.3442, 0.3599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDCEB3
RGB	221, 206, 179
RGB Percent	87%, 81%, 70%
CMY	0.1333, 0.1922, 0.2980
CMYK	0.00, 0.07, 0.19, 0.13
HSL	39°, 38%, 78%
HSV	39°, 19%, 87%
XYZ	60.0312, 62.7694, 51.6073
YIQ	207.4070, 17.6070, -5.2170

# Conversions

## Conversions Part 2

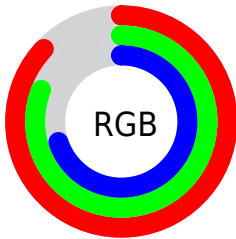
Format	Color
R <sub>Y</sub> B	202, 221, 179
Decimal	14536371
CIE Lab	83.32, 0.89, 15.31
CIE LCh	83, 15.332, 86.691
Yxy	62.7694, 0.3442, 0.3599
Android (android.graphics.Color)	4292726451 (0xFFDDCEB3)
YUV	207.4070, -14.0047, 11.9211
Hunter-Lab	79.2271, -3.3963, 16.8384

# Details

The Yxy color **62.7694, 0.3442, 0.3599** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.4046, 0.2824, 0.2960**, and the grayscale version is **62.7598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **32.0698, 0.3527, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **58.2388, 0.3632, 0.3769**, and if you desaturate by 10%, it is **67.6403, 0.3269, 0.3433**.

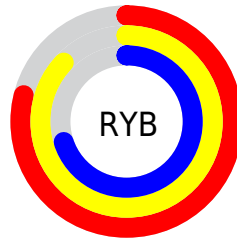
# Distribution



Red (87%)

Green (81%)

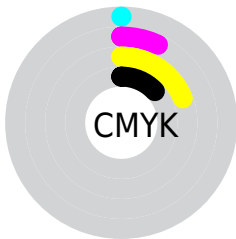
Blue (70%)



Red (79%)

Yellow (87%)

Blue (70%)

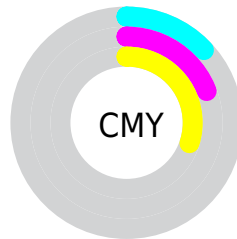


Cyan (0%)

Magenta (7%)

Yellow (19%)

Black (13%)



Cyan (13%)

Magenta (19%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7694, 0.3442, 0.3599 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 62.7694, 0.3442, 0.3599 by changing the saturation by 10% instead.



 62.7694, 0.3442,  
0.3599

 62.7694, 0.3442,  
0.3599

434.7321, 0.3292,  
0.3453

 45.6547, 0.3477,  
0.3633


 108.8368, 0.3389,  
0.3548

 31.9734, 0.3521,  
0.3676


138.5582, 0.3369,  
0.3528

 21.3412, 0.3577,  
0.3730


173.2506, 0.3352,  
0.3511

 13.3736, 0.3652,  
0.3802

213.2985, 0.3337,  
0.3496

 7.6863, 0.3755,  
0.3902

259.0862, 0.3324,  
0.3483

 3.8949, 0.3907,  
0.4047

310.9981, 0.3312,

 1.6149, 0.4216,

0.3472

0.4344

369.4186, 0.3302,  
0.3462

0.3676, 0.5023,  
0.4977

0.0000, 0.0000,  
0.0000

62.7694, 0.3442,  
0.3599

62.7694, 0.3442,  
0.3599

58.2388, 0.3632,  
0.3769

67.6403, 0.3269,  
0.3433

54.0304, 0.3837,  
0.3939

72.8520, 0.3112,  
0.3275

50.1368, 0.4053,  
0.4099

78.4162, 0.2973,  
0.3126

46.5471, 0.4273,  
0.4240

83.5148, 0.2918,  
0.3111

■ 43.2492, 0.4488,  
0.4351

■ 88.2074, 0.2920,  
0.3193

■ 40.2301, 0.4686,  
0.4420

■ 93.1043, 0.2923,  
0.3273

■ 37.4743, 0.4857,  
0.4438

■ 94.1145, 0.2923,  
0.3289

■ 34.9598, 0.4996,  
0.4408

■ 34.7197, 0.5010,  
0.4404

# Harmonies

## Analogous

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



62.7694, 0.3511, 0.3484



62.7694, 0.3442, 0.3599



62.7694, 0.3288, 0.3632

# Triad

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



62.7694, 0.3442, 0.3599



62.7694, 0.2792, 0.3239



62.7694, 0.3151, 0.3034

# Complementary

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



62.7694, 0.3442, 0.3599



53.4046, 0.2824, 0.2960

# 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.



62.7694, 0.2960, 0.2969



62.7694, 0.3442, 0.3599



62.7694, 0.2757, 0.3079

# Square

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



62.7694, 0.3442, 0.3599



62.7694, 0.2914, 0.3420



62.7694, 0.2818, 0.2983



62.7694, 0.3340, 0.3163



# Rectangle

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



62.7694, 0.3442, 0.3599



62.7694, 0.3160, 0.3599



62.7694, 0.2818, 0.2983



62.7694, 0.3084, 0.3004

# Sweetspot

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



62.7722, 0.3442, 0.3599



95.6129, 0.3221, 0.3385



51.5350, 0.3366, 0.3113



20.3651, 0.3231, 0.3396



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

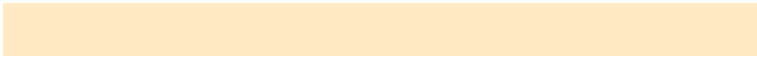


# Same Dimension

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



62.7722, 0.3442, 0.3599



84.1249, 0.3520, 0.3670



69.4861, 0.3370, 0.3768



14.4399, 0.3276, 0.3440



20.3875, 0.4994, 0.4417



1.4814, 0.4830, 0.4547



# Inverse Universe

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



53.4046, 0.2824, 0.2960



68.7929, 0.2753, 0.2878



47.7346, 0.2856, 0.2777



13.3753, 0.2981, 0.3136



6.4773, 0.1653, 0.1151

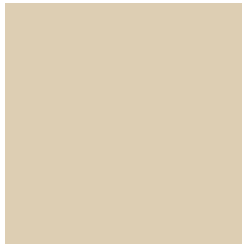


0.5793, 0.1745, 0.1481



# Previews

## White Background



This preview shows how the Yxy color 62.7694, 0.3442, 0.3599 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 62.7694, 0.3442, 0.3599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

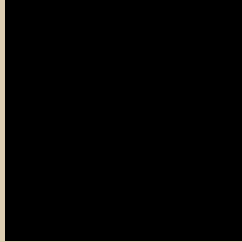
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

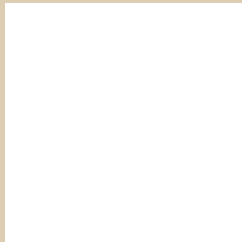
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.7694, 0.3442, 0.3599**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7694, 0.3442, 0.3599.



This preview shows how white text looks on a background with the Yxy color 62.7694, 0.3442, 0.3599.

# 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

62.7694, 0.3442, 0.3599

### Protanopia

62.8264, 0.3408, 0.3601

### Deuteranopia

62.6084, 0.3579, 0.3511



## Tritanopia

62.8999, 0.3212, 0.3126

# Trichromacy



**Original Color**

62.7694, 0.3442, 0.3599

**Protanomaly**

62.9810, 0.3416, 0.3600

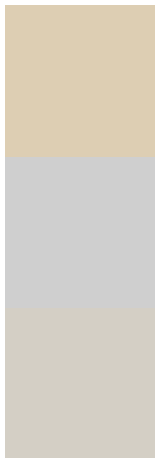
**Deuteranomaly**

62.5253, 0.3524, 0.3536

**Tritanomaly**

62.8710, 0.3291, 0.3290

# Monochromacy



**Original Color**

62.7694, 0.3442, 0.3599

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

62.6539, 0.3236, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7694, 0.3442, 0.3599 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, 206, 179)` looks like.

```
.text, #text, p{  
    color:rgb(221, 206, 179)  
}
```

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, 206, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 206, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7694, 0.3442, 0.3599 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, 206, 179) }
```

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

```
.border{ border-color:rgb(221, 206, 179) }
```

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

Here you see how a box with a 4 pixel rgb(221, 206, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 206, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 206, 179);  
box-shadow:4px 4px 4px 4px rgb(221, 206,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7694, 0.3442, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 206, 179) }
```

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

```
.background{ background-color: rgb(221,  
206, 179) }
```

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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