

# Converting Colors

Yxy(64.3749, 0.3373, 0.3543)

Have a look what the booklet for  
Yxy(64.3749, 0.3373, 0.3543)  
contains.

<b>Yxy(64.4044, 0.3369, 0.3541)</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(64.4044, 0.3369, 0.3541)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCD1BB
RGB	220, 209, 187
RGB Percent	86%, 82%, 73%
CMY	0.1374, 0.1803, 0.2668
CMYK	0.00, 0.05, 0.15, 0.14
HSL	40°, 32%, 80%
HSV	40°, 15%, 86%
XYZ	61.2760, 64.4044, 56.2015
YIQ	209.7810, 13.6180, -4.5100

# Conversions

## Conversions Part 2

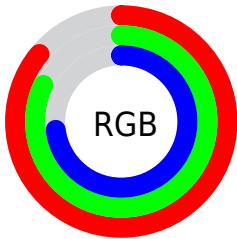
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	204, 220, 187
Decimal	14471611
CIE Lab	84.18, 0.14, 12.28
CIE LCh	84, 12.285, 89.325
Yxy	64.4044, 0.3369, 0.3541
Android (android.graphics.Color)	4292661691 (0xFFDCD1BB)
YUV	209.7810, -11.2310, 8.9621
Hunter-Lab	80.2524, -4.1494, 14.6553

# Details

The Yxy color  $64.4044, 0.3369, 0.3541$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $56.0829, 0.2891, 0.3026$ , and the grayscale version is  $64.3642, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.2511, 0.3197, 0.3405$ , and  $33.1633, 0.3429, 0.3605$  is the 20% darker color. If you saturate the color by 10%, you get  $60.0346, 0.3550, 0.3716$ , and if you desaturate by 10%, it is  $69.0884, 0.3204, 0.3372$ .

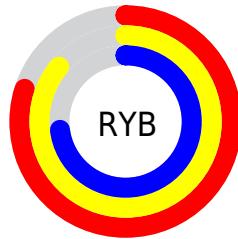
# Distribution



Red (86%)

Green (82%)

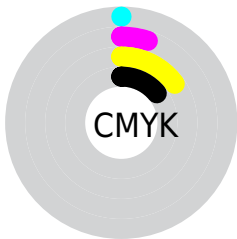
Blue (73%)



Red (80%)

Yellow (86%)

Blue (73%)

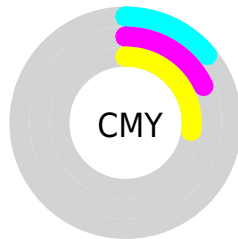


Cyan (0%)

Magenta (5%)

Yellow (15%)

Black (14%)



Cyan (14%)

Magenta (18%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4044, 0.3369, 0.3541 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 64.4044, 0.3369, 0.3541 by changing the saturation by 10% instead.





 64.4044, 0.3369,  
0.3541

 64.4044, 0.3369,  
0.3541


440.6485, 0.3255,  
0.3422

 46.9783, 0.3396,  
0.3569


 111.1931, 0.3329,  
0.3499

 33.0185, 0.3429,  
0.3603


141.3245, 0.3313,  
0.3483

 22.1406, 0.3472,  
0.3648


176.4599, 0.3300,  
0.3470

 13.9603, 0.3529,  
0.3706

216.9834, 0.3289,  
0.3458

 8.0930, 0.3607,  
0.3788

263.2797, 0.3278,  
0.3447

 4.1545, 0.3723,  
0.3908

315.7331, 0.3270,

 1.7604, 0.3914,

0.3438

0.4104

374.7279, 0.3262,  
0.3430

0.4623, 0.4893,  
0.5107

0.0000, 0.0000,  
0.0000

64.4044, 0.3369,  
0.3541

64.4044, 0.3369,  
0.3541

60.0346, 0.3550,  
0.3716

69.0884, 0.3204,  
0.3372

55.9618, 0.3746,  
0.3893

74.0864, 0.3055,  
0.3211

52.1795, 0.3952,  
0.4063

79.4090, 0.2921,  
0.3061

48.6778, 0.4164,  
0.4219

83.7104, 0.2912,  
0.3117

■ 45.4459, 0.4372,  
0.4348

■ 88.0542, 0.2914,  
0.3193

■ 42.4720, 0.4567,  
0.4439

■ 92.5724, 0.2916,  
0.3267

■ 39.7424, 0.4738,  
0.4484

■ 93.9508, 0.2917,  
0.3289

■ 37.2412, 0.4877,  
0.4477

■ 36.0636, 0.4939,  
0.4460

# Harmonies

## Analogous

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



64.4044, 0.3430, 0.3456



64.4044, 0.3369, 0.3541



64.4044, 0.3243, 0.3559

# Triad

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



64.4044, 0.3369, 0.3541



64.4044, 0.2854, 0.3238



64.4044, 0.3160, 0.3092

# Complementary

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



64.4044, 0.3369, 0.3541



56.0829, 0.2891, 0.3026

# 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.



64.4044, 0.3007, 0.3035



64.4044, 0.3369, 0.3541



64.4044, 0.2833, 0.3114

# Square

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



64.4044, 0.3369, 0.3541



64.4044, 0.2947, 0.3381



64.4044, 0.2888, 0.3042



64.4044, 0.3308, 0.3199



# Rectangle

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



64.4044, 0.3369, 0.3541



64.4044, 0.3141, 0.3528



64.4044, 0.2888, 0.3042



64.4044, 0.3108, 0.3067

# Sweetspot

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



64.4073, 0.3369, 0.3541



97.2191, 0.3189, 0.3356



54.8177, 0.3317, 0.3164



20.6987, 0.3200, 0.3368



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

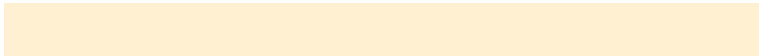


# Same Dimension

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



64.4073, 0.3369, 0.3541



88.0497, 0.3424, 0.3596



69.1240, 0.3310, 0.3665



14.4976, 0.3275, 0.3446



21.3843, 0.4925, 0.4472



1.5410, 0.4776, 0.4590



# Inverse Universe

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



56.0829, 0.2891, 0.3026



74.2820, 0.2838, 0.2964



51.9652, 0.2928, 0.2896



13.3198, 0.2981, 0.3129



6.0144, 0.1634, 0.1084

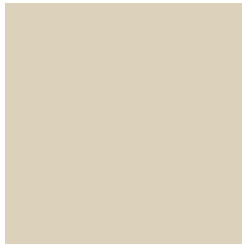


0.5448, 0.1726, 0.1413



# Previews

## White Background



This preview shows how the Yxy color 64.4044, 0.3369, 0.3541 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 64.4044, 0.3369, 0.3541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

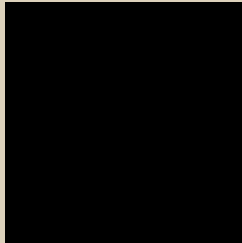
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

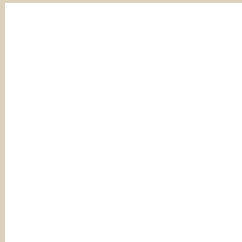
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.4044, 0.3369, 0.3541**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4044, 0.3369, 0.3541.

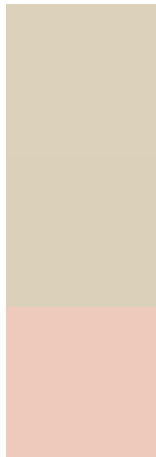


This preview shows how white text looks on a background with the Yxy color 64.4044, 0.3369, 0.3541.

# 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

64.4044, 0.3369, 0.3541

### Protanopia

64.2489, 0.3361, 0.3541

### Deuteranopia

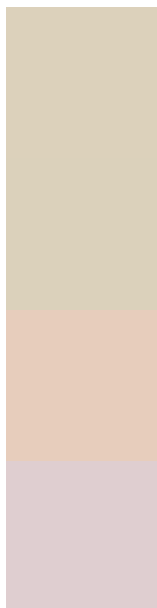
64.0490, 0.3519, 0.3444



## Tritanopia

64.2003, 0.3166, 0.3115

# Trichromacy



## Original Color

64.4044, 0.3369, 0.3541

## Protanomaly

64.2489, 0.3361, 0.3541

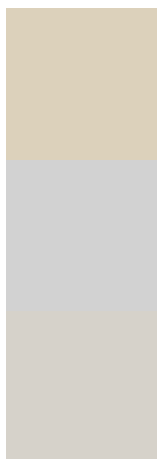
## Deuteranomaly

64.2824, 0.3456, 0.3479

## Tritanomaly

64.3847, 0.3243, 0.3268

# Monochromacy



## Original Color

64.4044, 0.3369, 0.3541

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.6536, 0.3213, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4044, 0.3369, 0.3541 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(220, 209, 187)` looks like.

```
.text, #text, p{  
    color:rgb(220, 209, 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(220, 209, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 209, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4044, 0.3369, 0.3541 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(220, 209, 187) }
```

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

```
.border{ border-color:rgb(220, 209, 187) }
```

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

Here you see how a box with a 4 pixel rgb(220, 209, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 209, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 209, 187);  
box-shadow:4px 4px 4px 4px rgb(220, 209,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4044, 0.3369, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 209, 187) }
```

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

```
.background{ background-color: rgb(220,  
209, 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](#).

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