

# Converting Colors

$Yxy(63.5284, 0.3328, 0.3446)$

Have a look what the booklet for  
Yxy(63.5284, 0.3328, 0.3446)  
contains.

<b>Yxy(63.6915, 0.3328, 0.3449)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.6915, 0.3328, 0.3449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCCFC1
RGB	220, 207, 193
RGB Percent	86%, 81%, 76%
CMY	0.1372, 0.1882, 0.2431
CMYK	0.00, 0.06, 0.12, 0.14
HSL	31°, 28%, 81%
HSV	31°, 12%, 86%
XYZ	61.4570, 63.6915, 59.5180
YIQ	209.2910, 12.2420, -1.5980

# Conversions

## Conversions Part 2

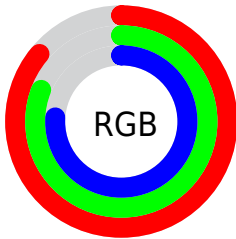
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 220, 193
Decimal	14471105
CIE Lab	83.80, 2.17, 8.55
CIE LCh	84, 8.820, 75.766
Yxy	63.6915, 0.3328, 0.3449
Android (android.graphics.Color)	4292661185 (0xFFDCCFC1)
YUV	209.2910, -8.0315, 9.3918
Hunter-Lab	79.8070, -2.2045, 11.6479

# Details

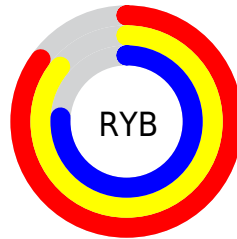
The Yxy color **63.6915, 0.3328, 0.3449** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.6641, 0.2937, 0.3126**, and the grayscale version is **64.0107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **32.6752, 0.3375, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **57.8173, 0.3517, 0.3586**, and if you desaturate by 10%, it is **70.0625, 0.3162, 0.3318**.

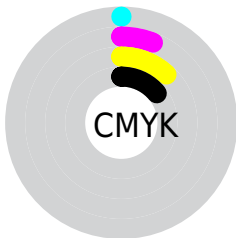
# Distribution



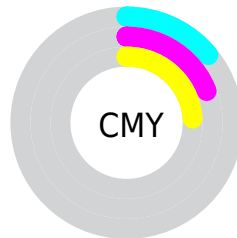
- Red (86%)
- Green (81%)
- Blue (76%)



- Red (85%)
- Yellow (86%)
- Blue (76%)



- Cyan (0%)
- Magenta (6%)
- Yellow (12%)
- Black (14%)




- Cyan (14%)
- Magenta (19%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6915, 0.3328, 0.3449 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 63.6915, 0.3328, 0.3449 by changing the saturation by 10% instead.





 63.6915, 0.3328,  
0.3449

 63.6915, 0.3328,  
0.3449


438.0747, 0.3233,  
0.3374

 46.4009, 0.3350,  
0.3466


 110.1665, 0.3294,  
0.3423

 32.5623, 0.3379,  
0.3488


140.1197, 0.3281,  
0.3413

 21.7913, 0.3415,  
0.3516


175.0625, 0.3270,  
0.3404

 13.7036, 0.3463,  
0.3553

215.3793, 0.3261,  
0.3396

 7.9148, 0.3531,  
0.3604

261.4546, 0.3252,  
0.3390

 4.0405, 0.3632,  
0.3680

313.6726, 0.3245,

 1.6962, 0.3800,

0.3384

372.4179, 0.3238,  
0.3379

0.3802

0.4212, 0.5183,  
0.4817

0.0000, 0.0000,  
0.0000

63.6915, 0.3328,  
0.3449

63.6915, 0.3328,  
0.3449

57.8173, 0.3517,  
0.3586

70.0625, 0.3162,  
0.3318

52.4183, 0.3729,  
0.3726

76.9344, 0.3016,  
0.3196

47.4835, 0.3964,  
0.3864

84.0603, 0.2912,  
0.3123

42.9983, 0.4219,  
0.3992

90.4460, 0.2916,  
0.3233

■ 38.9470, 0.4486,  
0.4098

■ 93.9569, 0.2917,  
0.3289

■ 35.3127, 0.4753,  
0.4171

■ 32.0768, 0.5004,  
0.4198

■ 29.2184, 0.5224,  
0.4171

■ 27.2448, 0.5370,  
0.4118

# Harmonies

## Analogous

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



63.6915, 0.3345, 0.3373



63.6915, 0.3328, 0.3449



63.6915, 0.3256, 0.3484

# Triad

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



63.6915, 0.3328, 0.3449



63.6915, 0.2955, 0.3300



63.6915, 0.3100, 0.3122

# Complementary

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



63.6915, 0.3328, 0.3449



60.6641, 0.2937, 0.3126

# 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.



63.6915, 0.2997, 0.3101



63.6915, 0.3328, 0.3449



63.6915, 0.2914, 0.3202

# Square

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



63.6915, 0.3328, 0.3449



63.6915, 0.3041, 0.3398



63.6915, 0.2930, 0.3129



63.6915, 0.3212, 0.3186



# Rectangle

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



63.6915, 0.3328, 0.3449



63.6915, 0.3188, 0.3478



63.6915, 0.2930, 0.3129



63.6915, 0.3063, 0.3110

# Sweetspot

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



63.6943, 0.3328, 0.3449



96.2637, 0.3190, 0.3341



57.8256, 0.3247, 0.3142



20.4567, 0.3202, 0.3351



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

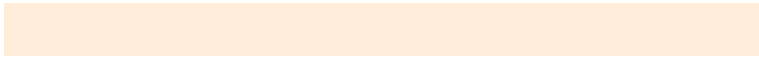


# Same Dimension

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



63.6943, 0.3328, 0.3449



86.5732, 0.3380, 0.3488



70.1888, 0.3306, 0.3592



14.1617, 0.3279, 0.3411



16.2129, 0.5348, 0.4136



1.2226, 0.5109, 0.4325

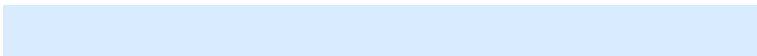


# Inverse Universe

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



60.6641, 0.2937, 0.3126



81.4564, 0.2891, 0.3084



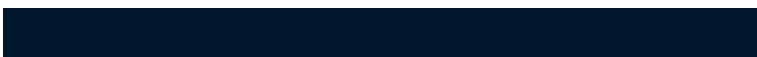
54.7164, 0.2937, 0.2970



13.6477, 0.2982, 0.3166



9.3074, 0.1757, 0.1526

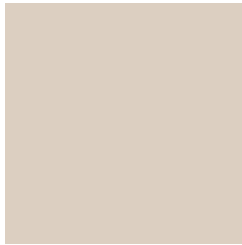


0.7750, 0.1841, 0.1829



# Previews

## White Background



This preview shows how the Yxy color 63.6915, 0.3328, 0.3449 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 63.6915, 0.3328, 0.3449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

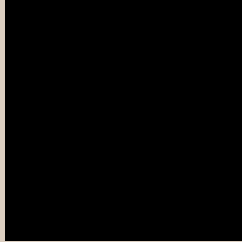
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

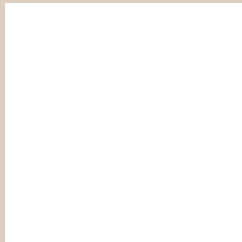
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.6915, 0.3328, 0.3449**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.6915, 0.3328, 0.3449.

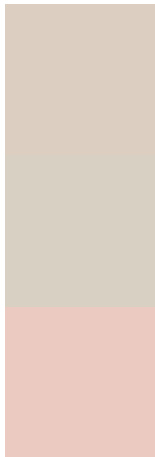


This preview shows how white text looks on a background with the Yxy color 63.6915, 0.3328, 0.3449.

# 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

63.6915, 0.3328, 0.3449

### Protanopia

63.6057, 0.3288, 0.3450

### Deuteranopia

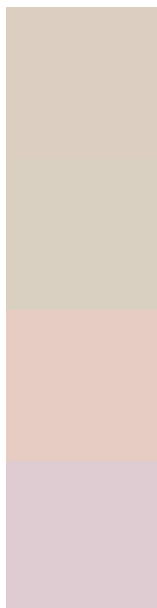
63.7983, 0.3448, 0.3378



## Tritanopia

63.6736, 0.3174, 0.3114

# Trichromacy



## Original Color

63.6915, 0.3328, 0.3449

## Protanomaly

63.7585, 0.3296, 0.3450

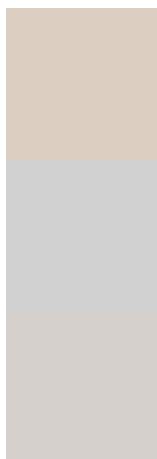
## Deuteranomaly

63.9038, 0.3405, 0.3401

## Tritanomaly

63.5268, 0.3230, 0.3224

# Monochromacy



## Original Color

63.6915, 0.3328, 0.3449

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.5697, 0.3200, 0.3347

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6915, 0.3328, 0.3449 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, 207, 193)` looks like.

```
.text, #text, p{  
    color:rgb(220, 207, 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(220, 207, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 207, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6915, 0.3328, 0.3449 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, 207, 193) }
```

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

```
.border{ border-color:rgb(220, 207, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 207, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 207, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 207, 193);  
box-shadow:4px 4px 4px 4px rgb(220, 207,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6915, 0.3328, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 207, 193) }
```

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

```
.background{ background-color: rgb(220,  
207, 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](#).

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