

# Converting Colors

Yxy(64.0759, 0.3216, 0.3414)

Have a look what the booklet for  
Yxy(64.0759, 0.3216, 0.3414)  
contains.

<b>Yxy(64.2138, 0.3219, 0.3416)</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(64.2138, 0.3219, 0.3416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D2C7
RGB	212, 210, 199
RGB Percent	83%, 82%, 78%
CMY	0.1686, 0.1765, 0.2195
CMYK	0.00, 0.01, 0.06, 0.17
HSL	51°, 13%, 81%
HSV	51°, 6%, 83%
XYZ	60.5106, 64.2138, 63.2551
YIQ	209.3440, 4.7230, -2.9970

# Conversions

## Conversions Part 2

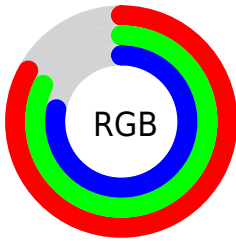
Format	Color
R <sub>Y</sub> B	201, 212, 199
Decimal	13947591
CIE Lab	84.08, -1.23, 5.66
CIE LCh	84, 5.798, 102.298
Yxy	64.2138, 0.3219, 0.3416
Android (android.graphics.Color)	4292137671 (0xFFD4D2C7)
YUV	209.3440, -5.0996, 2.3293
Hunter-Lab	80.1335, -5.4443, 9.2916

# Details

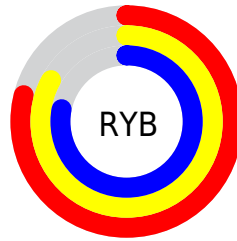
The Yxy color **64.2138, 0.3219, 0.3416** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.6897, 0.3034, 0.3161**, and the grayscale version is **64.0316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.9894, 0.3239, 0.3457** is the 20% darker color. If you saturate the color by 10%, you get **61.6976, 0.3377, 0.3629**, and if you desaturate by 10%, it is **66.9060, 0.3071, 0.3212**.

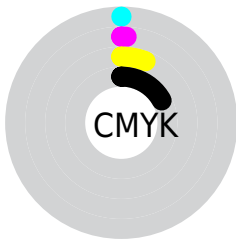
# Distribution



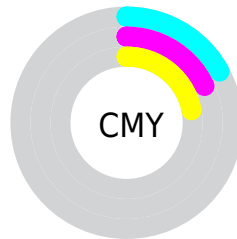
- Red (83%)
- Green (82%)
- Blue (78%)



- Red (79%)
- Yellow (83%)
- Blue (78%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (17%)



- Cyan (17%)
- Magenta (18%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2138, 0.3219, 0.3416 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 64.2138, 0.3219, 0.3416 by changing the saturation by 10% instead.



■ 64.2138, 0.3219,  
0.3416

■ 64.2138, 0.3219,  
0.3416

439.9613, 0.3176,  
0.3356

■ 46.8239, 0.3229,  
0.3430

110.9188, 0.3204,  
0.3395

■ 32.8964, 0.3242,  
0.3448

141.0026, 0.3198,  
0.3387

■ 22.0471, 0.3258,  
0.3470

176.0865, 0.3193,  
0.3380

■ 13.8915, 0.3280,  
0.3501

216.5550, 0.3188,  
0.3374

■ 8.0453, 0.3310,  
0.3543

262.7922, 0.3185,  
0.3369

■ 4.1239, 0.3355,  
0.3607

315.1828, 0.3181,

■ 1.7431, 0.3429,

0.3364

0.3713

374.1110, 0.3178,  
0.3360

0.4513, 0.4218,  
0.4773

0.0000, 0.0000,  
0.0000

64.2138, 0.3219,  
0.3416

64.2138, 0.3219,  
0.3416

61.6976, 0.3377,  
0.3629

66.9060, 0.3071,  
0.3212

59.3431, 0.3543,  
0.3846

69.7712, 0.2935,  
0.3020

57.1468, 0.3712,  
0.4060

72.3161, 0.2854,  
0.2917

55.1022, 0.3880,  
0.4264

74.0514, 0.2856,  
0.2953

■ 53.2019, 0.4041,  
0.4447

■ 75.8206, 0.2857,  
0.2988

■ 51.4378, 0.4186,  
0.4601

■ 77.6239, 0.2859,  
0.3023

■ 49.8010, 0.4310,  
0.4715

■ 79.4615, 0.2861,  
0.3058

■ 48.2809, 0.4407,  
0.4784

■ 81.3335, 0.2862,  
0.3093

■ 46.8644, 0.4475,  
0.4808

■ 83.2401, 0.2864,  
0.3128

# Harmonies

## Analogous

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



64.2138, 0.3262, 0.3390



64.2138, 0.3219, 0.3416



64.2138, 0.3152, 0.3408

# Triad

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



64.2138, 0.3219, 0.3416



64.2138, 0.2988, 0.3240



64.2138, 0.3175, 0.3215

# Complementary

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



64.2138, 0.3219, 0.3416



58.6897, 0.3034, 0.3161

# 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.



64.2138, 0.3101, 0.3176



64.2138, 0.3219, 0.3416



64.2138, 0.2994, 0.3189

# Square

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



64.2138, 0.3219, 0.3416



64.2138, 0.3019, 0.3305



64.2138, 0.3035, 0.3166



64.2138, 0.3236, 0.3274



# Rectangle

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



64.2138, 0.3219, 0.3416



64.2138, 0.3102, 0.3383



64.2138, 0.3035, 0.3166



64.2138, 0.3151, 0.3200

# Sweetspot

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



64.2166, 0.3219, 0.3416



99.1739, 0.3157, 0.3331



59.0846, 0.3214, 0.3265



21.2360, 0.3156, 0.3329



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.



64.2166, 0.3219, 0.3416



97.1555, 0.3234, 0.3436



64.5789, 0.3184, 0.3440



14.2858, 0.3241, 0.3446



28.7219, 0.4493, 0.4815



1.8226, 0.4433, 0.4862



# Inverse Universe

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



58.6897, 0.3034, 0.3161



87.5170, 0.3019, 0.3140



58.3607, 0.3067, 0.3138



12.7768, 0.3012, 0.3129



3.6915, 0.1538, 0.0736

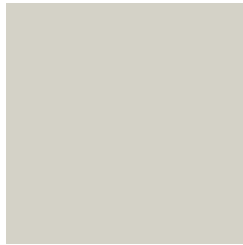


0.3225, 0.1614, 0.1010



# Previews

## White Background



This preview shows how the Yxy color 64.2138, 0.3219, 0.3416 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 64.2138, 0.3219, 0.3416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

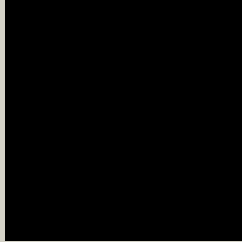
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

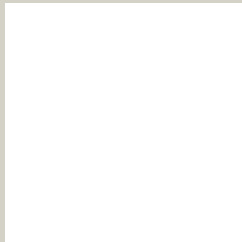
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.2138, 0.3219, 0.3416**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2138, 0.3219, 0.3416.

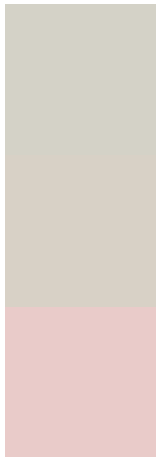


This preview shows how white text looks on a background with the Yxy color 64.2138, 0.3219, 0.3416.

# 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

64.2138, 0.3219, 0.3416

### Protanopia

64.2771, 0.3258, 0.3416

### Deuteranopia

64.2526, 0.3377, 0.3313



## Tritanopia

63.9174, 0.3076, 0.3101

# Trichromacy



## Original Color

64.2138, 0.3219, 0.3416

## Protanomaly

64.1252, 0.3250, 0.3416

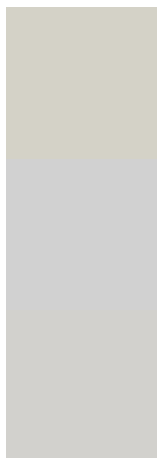
## Deuteranomaly

64.3203, 0.3317, 0.3357

## Tritanomaly

63.7768, 0.3131, 0.3211

# Monochromacy



## Original Color

64.2138, 0.3219, 0.3416

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.7103, 0.3163, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2138, 0.3219, 0.3416 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(212, 210, 199)` looks like.

```
.text, #text, p{  
    color:rgb(212, 210, 199)  
}
```

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(212, 210, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 210, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2138, 0.3219, 0.3416 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(212, 210, 199) }
```

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

```
.border{ border-color:rgb(212, 210, 199) }
```

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

Here you see how a box with a 4 pixel rgb(212, 210, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 210, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 210, 199);  
box-shadow:4px 4px 4px 4px rgb(212, 210,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2138, 0.3219, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 210, 199) }
```

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

```
.background{ background-color: rgb(212,  
210, 199) }
```

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