

# Converting Colors

Yxy(68.8480, 0.3257, 0.3506)

Have a look what the booklet for  
Yxy(68.8480, 0.3257, 0.3506)  
contains.

<b>Yxy(68.9717, 0.3255, 0.3515)</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(68.9717, 0.3255, 0.3515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9DAC6
RGB	217, 218, 198
RGB Percent	85%, 85%, 78%
CMY	0.1492, 0.1450, 0.2235
CMYK	0.00, 0.00, 0.09, 0.15
HSL	63°, 21%, 82%
HSV	63°, 9%, 85%
XYZ	63.8700, 68.9717, 63.3794
YIQ	215.4210, 5.8240, -6.4320

# Conversions

## Conversions Part 2

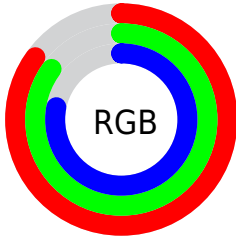
Format	Color
<b>RYB</b>	198, 218, 199
Decimal	14277318
CIELab	86.49, -3.82, 9.72
CIELCh	86, 10.440, 111.459
Yxy	68.9717, 0.3255, 0.3515
Android (android.graphics.Color)	4292467398 (0xFFD9DAC6)
YUV	215.4210, -8.5886, 1.3848
Hunter-Lab	83.0492, -8.0586, 12.8870

# Details

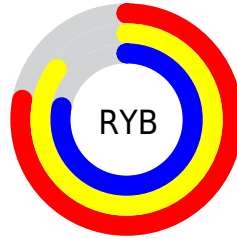
The Yxy color **68.9717, 0.3255, 0.3515** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.6099, 0.2993, 0.3056**, and the grayscale version is **68.3095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.8894, 0.3287, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **67.8624, 0.3397, 0.3768**, and if you desaturate by 10%, it is **70.2331, 0.3116, 0.3270**.

# Distribution



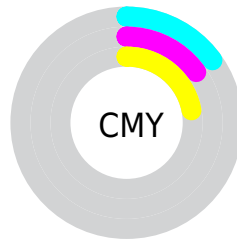
- Red (85%)
- Green (85%)
- Blue (78%)



- Red (78%)
- Yellow (85%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (15%)



- Cyan (15%)
- Magenta (15%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9717, 0.3255, 0.3515 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 68.9717, 0.3255, 0.3515 by changing the saturation by 10% instead.



■ 68.9717, 0.3255,  
0.3515

■ 68.9717, 0.3255,  
0.3515

456.9312, 0.3196,  
0.3409

■ 50.6887, 0.3269,  
0.3540

117.7412, 0.3234,  
0.3478

■ 35.9609, 0.3285,  
0.3570

148.9964, 0.3226,  
0.3464

■ 24.4040, 0.3307,  
0.3610

185.3444, 0.3219,  
0.3451

■ 15.6336, 0.3335,  
0.3662

227.1697, 0.3213,  
0.3441

■ 9.2652, 0.3373,  
0.3735

274.8566, 0.3208,  
0.3431

■ 4.9146, 0.3428,  
0.3842

328.7896, 0.3204,

■ 2.1972, 0.3514,

0.3423

0.4017

389.3530, 0.3199,  
0.3416

0.7185, 0.4179,  
0.5091

0.0000, 0.0000,  
0.0000

68.9717, 0.3255,  
0.3515

68.9717, 0.3255,  
0.3515

67.8624, 0.3397,  
0.3768

70.2331, 0.3116,  
0.3270

66.8900, 0.3539,  
0.4022

71.6433, 0.2983,  
0.3038


66.0509, 0.3675,  
0.4269

72.6568, 0.2908,  
0.2904

65.3381, 0.3800,  
0.4500

72.8392, 0.2916,  
0.2905

 64.7435, 0.3908,  
0.4704

 73.0230, 0.2924,  
0.2905


 64.2587, 0.3993,  
0.4872

 73.2080, 0.2931,  
0.2906

 63.8736, 0.4053,  
0.4998

 73.3943, 0.2939,  
0.2907

 63.5766, 0.4087,  
0.5080

 73.5818, 0.2947,  
0.2908

 63.3487, 0.4099,  
0.5124

 73.7706, 0.2955,  
0.2909

# Harmonies

## Analogous

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



68.9717, 0.3347, 0.3485



68.9717, 0.3255, 0.3515



68.9717, 0.3130, 0.3482

# Triad

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



68.9717, 0.3255, 0.3515



68.9717, 0.2881, 0.3169



68.9717, 0.3248, 0.3188

# Complementary

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



68.9717, 0.3255, 0.3515



57.6099, 0.2993, 0.3056

# 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.



68.9717, 0.3121, 0.3108



68.9717, 0.3255, 0.3515



68.9717, 0.2910, 0.3095

# Square

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



68.9717, 0.3255, 0.3515



68.9717, 0.2915, 0.3279



68.9717, 0.2998, 0.3073



68.9717, 0.3344, 0.3296



# Rectangle

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



68.9717, 0.3255, 0.3515



68.9717, 0.3045, 0.3429



68.9717, 0.2998, 0.3073



68.9717, 0.3207, 0.3157

# Sweetspot

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



68.9747, 0.3255, 0.3515



99.4398, 0.3169, 0.3363



59.8390, 0.3285, 0.3302



21.2529, 0.3180, 0.3383



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.



68.9747, 0.3255, 0.3515



98.0408, 0.3282, 0.3563



67.4980, 0.3182, 0.3520



15.2267, 0.3259, 0.3522



37.9499, 0.4101, 0.5126



2.4696, 0.4117, 0.5113



# Inverse Universe

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



57.6099, 0.2993, 0.3056



78.6977, 0.2963, 0.3003



59.0146, 0.3068, 0.3061



12.6501, 0.2989, 0.3049



3.0923, 0.1518, 0.0610

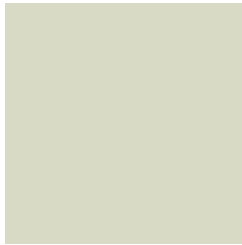


0.2123, 0.1571, 0.0639



# Previews

## White Background



This preview shows how the Yxy color 68.9717, 0.3255, 0.3515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

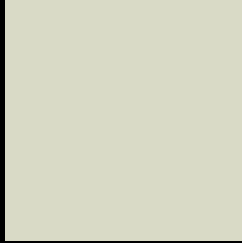
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9717, 0.3255, 0.3515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

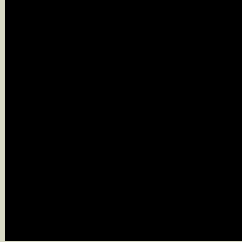
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

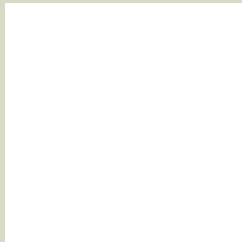
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.9717, 0.3255, 0.3515**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.9717, 0.3255, 0.3515.



This preview shows how white text looks on a background with the Yxy color 68.9717, 0.3255, 0.3515.

# 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

68.9717, 0.3255, 0.3515

### Protanopia

69.1505, 0.3325, 0.3501

### Deuteranopia

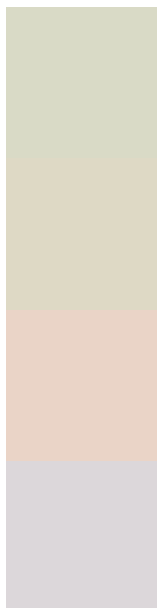
68.8257, 0.3453, 0.3386



## Tritanopia

68.8313, 0.3078, 0.3106

# Trichromacy



## Original Color

68.9717, 0.3255, 0.3515

## Protanomaly

69.1865, 0.3301, 0.3513

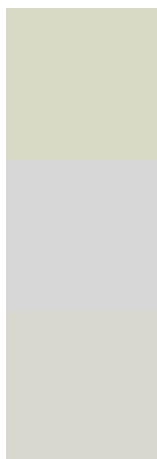
## Deuteranomaly

68.7029, 0.3386, 0.3432

## Tritanomaly

68.8785, 0.3143, 0.3257

# Monochromacy



## Original Color

68.9717, 0.3255, 0.3515

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.3141, 0.3175, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9717, 0.3255, 0.3515 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(217, 218, 198)` looks like.

```
.text, #text, p{  
    color:rgb(217, 218, 198)  
}
```

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(217, 218, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 218, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9717, 0.3255, 0.3515 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(217, 218, 198) }
```

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

```
.border{ border-color:rgb(217, 218, 198) }
```

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

Here you see how a box with a 4 pixel rgb(217, 218, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 218, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 218, 198);  
box-shadow:4px 4px 4px 4px rgb(217, 218,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9717, 0.3255, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 218, 198) }
```

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

```
.background{ background-color: rgb(217,  
218, 198) }
```

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