

# Converting Colors

$Yxy(65.0190, 0.3259, 0.3659)$

Have a look what the booklet for  
Yxy(65.0190, 0.3259, 0.3659)  
contains.

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# Color

**Yxy(64.8989, 0.3258, 0.3655)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCD7B8
RGB	204, 215, 184
RGB Percent	80%, 84%, 72%
CMY	0.2000, 0.1568, 0.2785
CMYK	0.05, 0.00, 0.14, 0.16
HSL	81°, 28%, 78%
HSV	81°, 14%, 84%
XYZ	57.8497, 64.8989, 54.8134
YIQ	208.1770, 3.3950, -11.9730

# Conversions

## Conversions Part 2

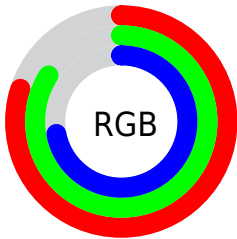
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 215, 195
Decimal	13424568
CIELab	84.43, -9.16, 14.06
CIELCh	84, 16.780, 123.098
Yxy	64.8989, 0.3258, 0.3655
Android (android.graphics.Color)	4291614648 (0xFFCCD7B8)
YUV	208.1770, -11.9193, -3.6632
Hunter-Lab	80.5599, -12.7996, 16.0506

# Details

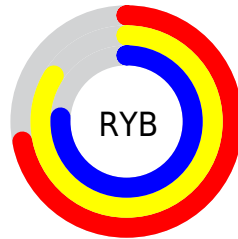
The Yxy color **64.8989, 0.3258, 0.3655** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.7820, 0.2982, 0.2918**, and the grayscale version is **63.2739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **33.2643, 0.3291, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **63.0148, 0.3348, 0.3927**, and if you desaturate by 10%, it is **66.9786, 0.3167, 0.3398**.

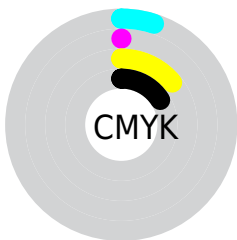
# Distribution



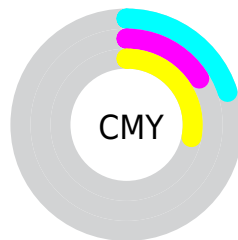
- Red (80%)
- Green (84%)
- Blue (72%)



- Red (72%)
- Yellow (84%)
- Blue (76%)



- Cyan (5%)
- Magenta (0%)
- Yellow (14%)
- Black (16%)




- Cyan (20%)
- Magenta (16%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8989, 0.3258, 0.3655 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 64.8989, 0.3258, 0.3655 by changing the saturation by 10% instead.




 64.8989, 0.3258,  
0.3655

 64.8989, 0.3258,  
0.3655


442.4286, 0.3198,  
0.3480

 47.3791, 0.3272,  
0.3697


 111.9045, 0.3237,  
0.3593

 33.3355, 0.3288,  
0.3749


142.1591, 0.3229,  
0.3569

 22.3835, 0.3309,  
0.3817


177.4274, 0.3222,  
0.3549

 14.1390, 0.3336,  
0.3908

218.0938, 0.3216,  
0.3531

 8.2174, 0.3372,  
0.4037

264.5428, 0.3211,  
0.3516

 4.2344, 0.3422,  
0.4233

317.1586, 0.3206,

 1.8055, 0.3502,

0.3502

0.4579

376.3257, 0.3202,  
0.3490

0.4906, 0.3309,  
0.6691

0.0000, 0.0000,  
0.0000

64.8989, 0.3258,  
0.3655

64.8989, 0.3258,  
0.3655

63.0148, 0.3348,  
0.3927

66.9786, 0.3167,  
0.3398

61.3109, 0.3433,  
0.4207

69.2520, 0.3078,  
0.3160

59.7826, 0.3509,  
0.4488

71.7280, 0.2992,  
0.2941

58.4220, 0.3571,  
0.4758

73.4095, 0.3003,  
0.2883

■ 57.2203, 0.3613,  
0.5005

■ 74.7341, 0.3056,  
0.2890

■ 56.1677, 0.3633,  
0.5216

■ 76.1152, 0.3109,  
0.2896

■ 55.2529, 0.3628,  
0.5381

■ 77.0861, 0.3145,  
0.2901

■ 54.4626, 0.3600,  
0.5495

■ 54.0641, 0.3577,  
0.5542

# Harmonies

## Analogous

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



64.8989, 0.3439, 0.3641



64.8989, 0.3258, 0.3655



64.8989, 0.3047, 0.3562

# Triad

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



64.8989, 0.3258, 0.3655



64.8989, 0.2733, 0.3033



64.8989, 0.3396, 0.3188

# Complementary

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



64.8989, 0.3258, 0.3655



50.7820, 0.2982, 0.2918

# 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.



64.8989, 0.3198, 0.3039



64.8989, 0.3258, 0.3655



64.8989, 0.2819, 0.2947

# Square

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



64.8989, 0.3258, 0.3655



64.8989, 0.2749, 0.3193



64.8989, 0.2987, 0.2951



64.8989, 0.3521, 0.3366



# Rectangle

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



64.8989, 0.3258, 0.3655



64.8989, 0.2917, 0.3453



64.8989, 0.2987, 0.2951



64.8989, 0.3335, 0.3133

# Sweetspot

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



64.9017, 0.3258, 0.3655



98.6797, 0.3164, 0.3388



56.8674, 0.3375, 0.3418



21.0695, 0.3170, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

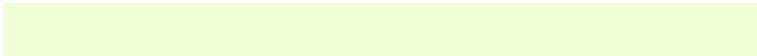


# Same Dimension

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



64.9017, 0.3258, 0.3655



94.7116, 0.3283, 0.3728



62.8381, 0.3143, 0.3668



14.2891, 0.3212, 0.3524



32.3948, 0.3586, 0.5535



1.9995, 0.3692, 0.5451



# Inverse Universe

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



50.7820, 0.2982, 0.2918



70.4708, 0.2951, 0.2841



52.9336, 0.3106, 0.2931



12.2211, 0.3036, 0.3053



3.9167, 0.1781, 0.0755

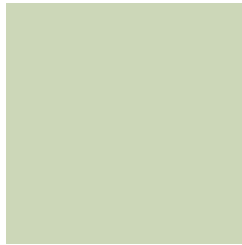


0.2819, 0.1977, 0.0863



# Previews

## White Background



This preview shows how the Yxy color 64.8989, 0.3258, 0.3655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

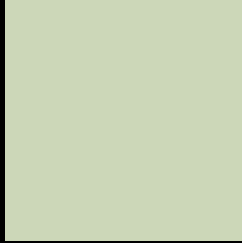
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8989, 0.3258, 0.3655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

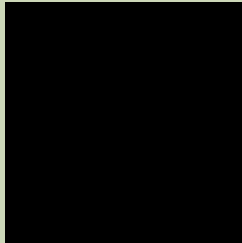
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

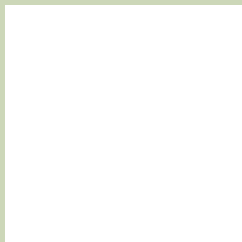
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.8989, 0.3258, 0.3655**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8989, 0.3258, 0.3655.



This preview shows how white text looks on a background with the Yxy color 64.8989, 0.3258, 0.3655.

# 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

64.8989, 0.3258, 0.3655

### Protanopia

64.8015, 0.3419, 0.3620

### Deuteranopia

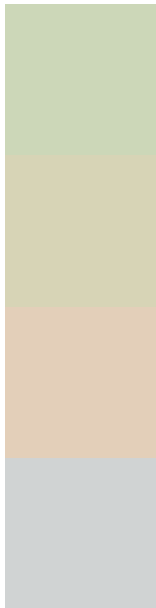
64.7823, 0.3549, 0.3475



## Tritanopia

64.7936, 0.3019, 0.3100

# Trichromacy



## Original Color

64.8989, 0.3258, 0.3655

## Protanomaly

64.9114, 0.3361, 0.3636

## Deuteranomaly

64.4593, 0.3443, 0.3537

## Tritanomaly

64.7016, 0.3105, 0.3290

# Monochromacy



## Original Color

64.8989, 0.3258, 0.3655

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.9775, 0.3180, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8989, 0.3258, 0.3655 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(204, 215, 184)` looks like.

```
.text, #text, p{  
    color:rgb(204, 215, 184)  
}
```

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(204, 215, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 215, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8989, 0.3258, 0.3655 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(204, 215, 184) }
```

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

```
.border{ border-color:rgb(204, 215, 184) }
```

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

Here you see how a box with a 4 pixel rgb(204, 215, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 215, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 215, 184);  
box-shadow:4px 4px 4px 4px rgb(204, 215,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8989, 0.3258, 0.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 215, 184) }
```

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

```
.background{ background-color: rgb(204,  
215, 184) }
```

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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