

# Converting Colors

$Yxy(65.1088, 0.3186, 0.3597)$

Have a look what the booklet for  
Yxy(65.1088, 0.3186, 0.3597)  
contains.

<b>Yxy(65.1088, 0.3186, 0.3597)</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(65.1088, 0.3186, 0.3597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8D8BE
RGB	200, 216, 190
RGB Percent	78%, 85%, 75%
CMY	0.2156, 0.1529, 0.2550
CMYK	0.07, 0.00, 0.12, 0.15
HSL	97°, 25%, 80%
HSV	97°, 12%, 85%
XYZ	57.6693, 65.1088, 58.2305
YIQ	208.2520, -1.1900, -11.4780

# Conversions

## Conversions Part 2

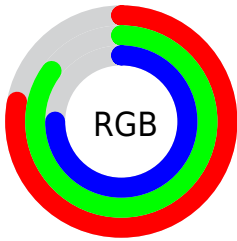
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 216, 206
Decimal	13162686
CIELab	84.54, -10.07, 11.00
CIELCh	85, 14.916, 132.463
Yxy	65.1088, 0.3186, 0.3597
Android (android.graphics.Color)	4291352766 (0xFFC8D8BE)
YUV	208.2520, -8.9982, -7.2370
Hunter-Lab	80.6900, -13.6332, 13.6960

# Details

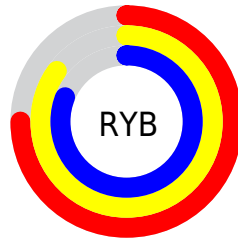
The Yxy color **65.1088, 0.3186, 0.3597** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.8945, 0.3061, 0.2988**, and the grayscale version is **63.3101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **33.4069, 0.3196, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **62.4867, 0.3233, 0.3878**, and if you desaturate by 10%, it is **68.0353, 0.3137, 0.3340**.

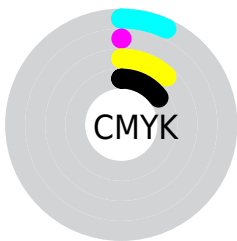
# Distribution



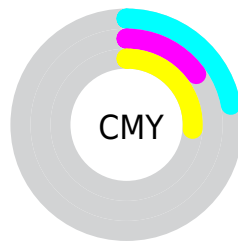
- Red (78%)
- Green (85%)
- Blue (75%)



- Red (75%)
- Yellow (85%)
- Blue (81%)



- Cyan (7%)
- Magenta (0%)
- Yellow (12%)
- Black (15%)



- Cyan (22%)
- Magenta (15%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1088, 0.3186, 0.3597 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 65.1088, 0.3186, 0.3597 by changing the saturation by 10% instead.





 65.1088, 0.3186,  
0.3597

 65.1088, 0.3186,  
0.3597


443.1828, 0.3160,  
0.3449

 47.5493, 0.3192,  
0.3632


 112.2063, 0.3177,  
0.3545

 33.4701, 0.3199,  
0.3676


142.5130, 0.3173,  
0.3525

 22.4868, 0.3208,  
0.3734


177.8377, 0.3170,  
0.3508

 14.2150, 0.3219,  
0.3811

218.5646, 0.3168,  
0.3493

 8.2704, 0.3233,  
0.3920

265.0782, 0.3165,  
0.3480

 4.2684, 0.3251,  
0.4087

317.7628, 0.3163,

 1.8248, 0.3273,

0.3469

0.4372

377.0029, 0.3161,  
0.3458

0.5026, 0.3157,  
0.6843

0.0000, 0.0000,  
0.0000

65.1088, 0.3186,  
0.3597

65.1088, 0.3186,  
0.3597

62.4867, 0.3233,  
0.3878

68.0353, 0.3137,  
0.3340

60.1503, 0.3275,  
0.4179

71.2672, 0.3088,  
0.3107

58.0917, 0.3310,  
0.4492

74.8167, 0.3041,  
0.2900

56.2994, 0.3334,  
0.4806

77.2379, 0.3132,  
0.2909

■ 54.7610, 0.3342,  
0.5105

■ 77.5941, 0.3145,  
0.2910

■ 53.4628, 0.3333,  
0.5371

■ 52.3898, 0.3305,  
0.5588

■ 51.5244, 0.3261,  
0.5743

■ 50.9643, 0.3218,  
0.5827

# Harmonies

## Analogous

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



65.1088, 0.3360, 0.3615



65.1088, 0.3186, 0.3597



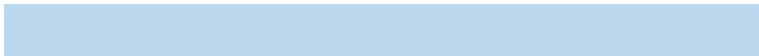
65.1088, 0.3000, 0.3489

# Triad

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



65.1088, 0.3186, 0.3597



65.1088, 0.2791, 0.3030



65.1088, 0.3409, 0.3248

# Complementary

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



65.1088, 0.3186, 0.3597



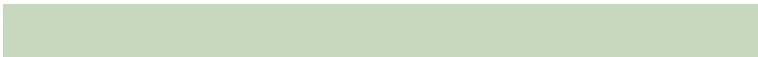
54.8945, 0.3061, 0.2988

# 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.



65.1088, 0.3249, 0.3103



65.1088, 0.3186, 0.3597



65.1088, 0.2893, 0.2977

# Square

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



65.1088, 0.3186, 0.3597



65.1088, 0.2776, 0.3155



65.1088, 0.3060, 0.3005



65.1088, 0.3492, 0.3408



# Rectangle

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



65.1088, 0.3186, 0.3597



65.1088, 0.2894, 0.3382



65.1088, 0.3060, 0.3005



65.1088, 0.3362, 0.3196

# Sweetspot

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



65.1116, 0.3186, 0.3597



98.1907, 0.3147, 0.3389



62.2642, 0.3321, 0.3470



20.9458, 0.3151, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

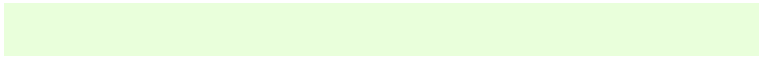


# Same Dimension

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



65.1116, 0.3186, 0.3597



93.9838, 0.3196, 0.3654



63.8903, 0.3095, 0.3572



14.1269, 0.3173, 0.3527



30.2220, 0.3229, 0.5818



1.8698, 0.3367, 0.5709



# Inverse Universe

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



54.8945, 0.3061, 0.2988



76.7830, 0.3049, 0.2933



56.2424, 0.3161, 0.3024



12.3827, 0.3077, 0.3056



5.9381, 0.2269, 0.1024

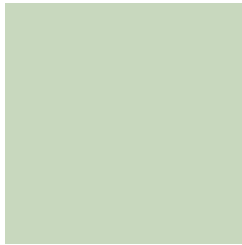


0.4052, 0.2431, 0.1113



# Previews

## White Background



This preview shows how the Yxy color 65.1088, 0.3186, 0.3597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

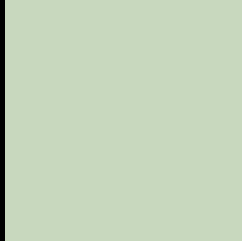
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.1088, 0.3186, 0.3597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

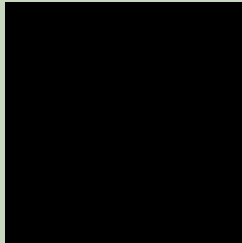
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

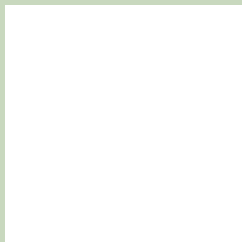
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.1088, 0.3186, 0.3597**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1088, 0.3186, 0.3597.

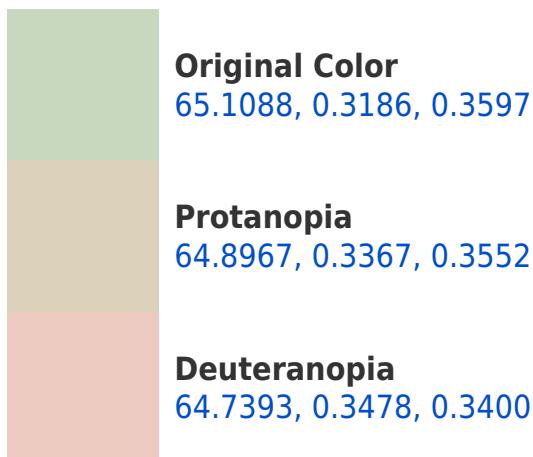


This preview shows how white text looks on a background with the Yxy color 65.1088, 0.3186, 0.3597.

# 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

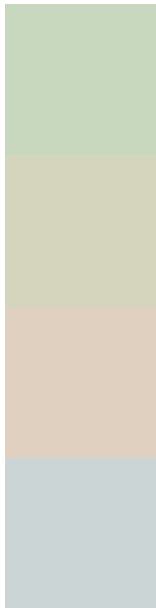




## Tritanopia

65.2564, 0.2984, 0.3110

# Trichromacy



## Original Color

65.1088, 0.3186, 0.3597

## Protanomaly

64.8639, 0.3303, 0.3567

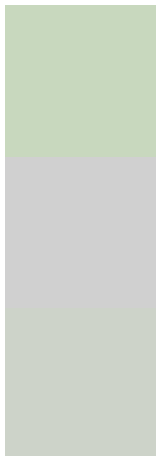
## Deuteranomaly

64.7648, 0.3365, 0.3470

## Tritanomaly

65.2809, 0.3055, 0.3278

# Monochromacy



## Original Color

65.1088, 0.3186, 0.3597

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.7847, 0.3151, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1088, 0.3186, 0.3597 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(200, 216, 190)` looks like.

```
.text, #text, p{  
    color:rgb(200, 216, 190)  
}
```

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(200, 216, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 216, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1088, 0.3186, 0.3597 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(200, 216, 190) }
```

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

```
.border{ border-color:rgb(200, 216, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 216, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 216, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 216, 190);  
box-shadow:4px 4px 4px 4px rgb(200, 216,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1088, 0.3186, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 216, 190) }
```

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

```
.background{ background-color: rgb(200,  
216, 190) }
```

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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