

# Converting Colors

$Yxy(67.0891, 0.3310, 0.3783)$

Have a look what the booklet for  
Yxy(67.0891, 0.3310, 0.3783)  
contains.

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# Color

**Yxy(66.9592, 0.3316, 0.3781)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEDBB1
RGB	206, 219, 177
RGB Percent	81%, 86%, 69%
CMY	0.1920, 0.1412, 0.3060
CMYK	0.06, 0.00, 0.19, 0.14
HSL	79°, 37%, 78%
HSV	79°, 19%, 86%
XYZ	58.7243, 66.9592, 51.4104
YIQ	210.3250, 5.7340, -15.8180

# Conversions

## Conversions Part 2

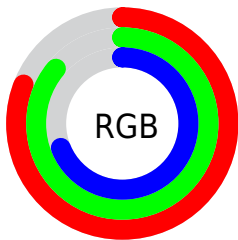
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 219, 190
Decimal	13556657
CIELab	85.48, -11.57, 19.23
CIELCh	85, 22.446, 121.033
Yxy	66.9592, 0.3316, 0.3781
Android (android.graphics.Color)	4291746737 (0xFFCEDDB1)
YUV	210.3250, -16.4292, -3.7930
Hunter-Lab	81.8286, -15.0994, 20.0300

# Details

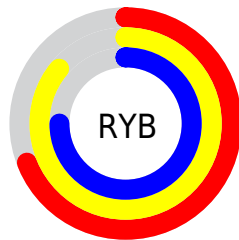
The Yxy color **66.9592, 0.3316, 0.3781** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.4894, 0.2912, 0.2781**, and the grayscale version is **64.7837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **34.5855, 0.3355, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **65.2108, 0.3412, 0.4055**, and if you desaturate by 10%, it is **68.8952, 0.3217, 0.3518**.

# Distribution



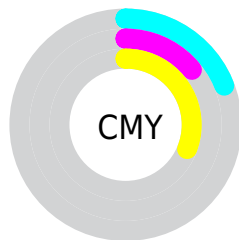
- Red (81%)
- Green (86%)
- Blue (69%)



- Red (69%)
- Yellow (86%)
- Blue (75%)



- Cyan (6%)
- Magenta (0%)
- Yellow (19%)
- Black (14%)




- Cyan (19%)
- Magenta (14%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9592, 0.3316, 0.3781 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 66.9592, 0.3316, 0.3781 by changing the saturation by 10% instead.




 66.9592, 0.3316,  
0.3781

 66.9592, 0.3316,  
0.3781


449.7995, 0.3230,  
0.3546

 49.0515, 0.3335,  
0.3837


 114.8619, 0.3287,  
0.3698

 34.6603, 0.3358,  
0.3907


145.6258, 0.3275,  
0.3666

 23.4013, 0.3387,  
0.3997


181.4437, 0.3265,  
0.3638

 14.8901, 0.3423,  
0.4118

222.7002, 0.3256,  
0.3615

 8.7423, 0.3470,  
0.4287

269.7796, 0.3249,  
0.3594

 4.5735, 0.3530,  
0.4539

323.0664, 0.3242,

 1.9993, 0.3659,

0.3576

0.5029

382.9449, 0.3236,  
0.3560

0.6070, 0.3267,  
0.6733

0.0000, 0.0000,  
0.0000

66.9592, 0.3316,  
0.3781

66.9592, 0.3316,  
0.3781

65.2108, 0.3412,  
0.4055

68.8952, 0.3217,  
0.3518

63.6341, 0.3502,  
0.4332


71.0167, 0.3119,  
0.3271


62.2242, 0.3580,  
0.4602


73.3331, 0.3024,  
0.3042

60.9727, 0.3641,  
0.4854


75.2182, 0.2993,  
0.2923


 59.8703, 0.3682,  
0.5076


 76.3783, 0.3039,  
0.2929


 58.9064, 0.3697,  
0.5256


 77.5825, 0.3085,  
0.2934

 58.0685, 0.3687,  
0.5389

 78.8313, 0.3132,  
0.2939

 57.3371, 0.3656,  
0.5475

 79.1430, 0.3144,  
0.2940

 57.2805, 0.3653,  
0.5482

# Harmonies

## Analogous

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



66.9592, 0.3551, 0.3747



66.9592, 0.3316, 0.3781



66.9592, 0.3037, 0.3668

# Triad

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



66.9592, 0.3316, 0.3781



66.9592, 0.2608, 0.2959



66.9592, 0.3467, 0.3139

# Complementary

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



66.9592, 0.3316, 0.3781



47.4894, 0.2912, 0.2781

# 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.



66.9592, 0.3200, 0.2951



66.9592, 0.3316, 0.3781



66.9592, 0.2710, 0.2843

# Square

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



66.9592, 0.3316, 0.3781



66.9592, 0.2637, 0.3175



66.9592, 0.2923, 0.2844



66.9592, 0.3643, 0.3369



# Rectangle

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



66.9592, 0.3316, 0.3781



66.9592, 0.2865, 0.3524



66.9592, 0.2923, 0.2844



66.9592, 0.3384, 0.3069

# Sweetspot

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



66.9621, 0.3316, 0.3781



98.1687, 0.3186, 0.3439



54.8798, 0.3476, 0.3439



20.9707, 0.3193, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

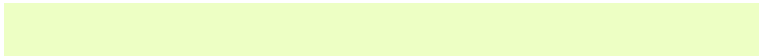


# Same Dimension

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



66.9621, 0.3316, 0.3781



93.5080, 0.3355, 0.3890



64.1980, 0.3163, 0.3805



15.0518, 0.3220, 0.3524



34.0248, 0.3661, 0.5475



2.2490, 0.3750, 0.5405



# Inverse Universe

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



47.4894, 0.2912, 0.2781



61.2226, 0.2859, 0.2663



50.3381, 0.3080, 0.2806



12.8111, 0.3029, 0.3052



3.8039, 0.1717, 0.0719

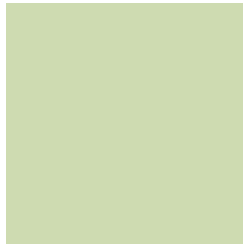


0.2912, 0.1895, 0.0818



# Previews

## White Background



This preview shows how the Yxy color 66.9592, 0.3316, 0.3781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

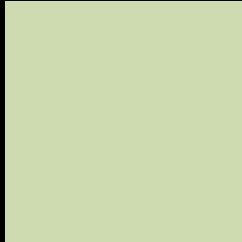
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.9592, 0.3316, 0.3781 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 66.9592, 0.3316, 0.3781**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9592, 0.3316, 0.3781.



This preview shows how white text looks on a background with the Yxy color 66.9592, 0.3316, 0.3781.

# 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

66.9592, 0.3316, 0.3781

### Protanopia

66.8132, 0.3504, 0.3728

### Deuteranopia

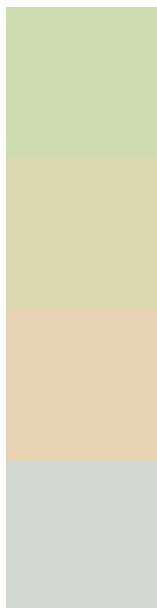
66.5508, 0.3639, 0.3558



## Tritanopia

66.8902, 0.3020, 0.3102

# Trichromacy



## Original Color

66.9592, 0.3316, 0.3781

## Protanomaly

66.7561, 0.3437, 0.3746

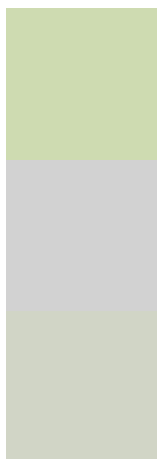
## Deuteranomaly

66.3368, 0.3514, 0.3634

## Tritanomaly

66.9557, 0.3125, 0.3347

# Monochromacy



## Original Color

66.9592, 0.3316, 0.3781

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.2210, 0.3201, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9592, 0.3316, 0.3781 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(206, 219, 177)` looks like.

```
.text, #text, p{  
    color:rgb(206, 219, 177)  
}
```

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(206, 219, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 219, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9592, 0.3316, 0.3781 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(206, 219, 177) }
```

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

```
.border{ border-color:rgb(206, 219, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 219, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 219, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 219, 177);  
box-shadow:4px 4px 4px 4px rgb(206, 219,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9592, 0.3316, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 219, 177) }
```

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

```
.background{ background-color: rgb(206,  
219, 177) }
```

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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