

# Converting Colors

Yxy(67.9871, 0.3281, 0.3742)

Have a look what the booklet for  
Yxy(67.9871, 0.3281, 0.3742)  
contains.

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# Color

**Yxy(68.2121, 0.3279, 0.3743)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEDDB6
RGB	206, 221, 182
RGB Percent	81%, 87%, 71%
CMY	0.1921, 0.1333, 0.2863
CMYK	0.07, 0.00, 0.18, 0.13
HSL	83°, 36%, 79%
HSV	83°, 18%, 87%
XYZ	59.7562, 68.2121, 54.2708
YIQ	212.0690, 3.5790, -15.3090

# Conversions

## Conversions Part 2

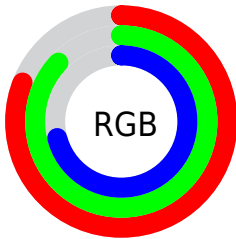
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 221, 197
Decimal	13557174
CIELab	86.11, -11.80, 17.48
CIELCh	86, 21.093, 124.026
Yxy	68.2121, 0.3279, 0.3743
Android (android.graphics.Color)	4291747254 (0xFFCEDDB6)
YUV	212.0690, -14.8240, -5.3225
Hunter-Lab	82.5906, -15.3847, 18.8536

# Details

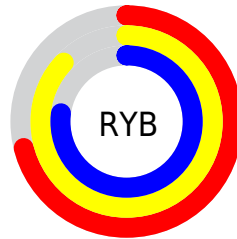
The Yxy color **68.2121, 0.3279, 0.3743** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.5440, 0.2954, 0.2828**, and the grayscale version is **65.9881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **35.5328, 0.3317, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **66.1894, 0.3363, 0.4021**, and if you desaturate by 10%, it is **70.4506, 0.3193, 0.3479**.

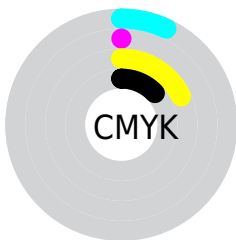
# Distribution



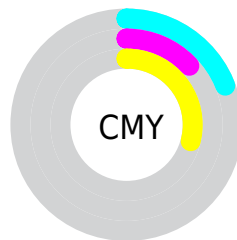
- Red (81%)
- Green (87%)
- Blue (71%)



- Red (71%)
- Yellow (87%)
- Blue (77%)



- Cyan (7%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)




- Cyan (19%)
- Magenta (13%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2121, 0.3279, 0.3743 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 68.2121, 0.3279, 0.3743 by changing the saturation by 10% instead.





 68.2121, 0.3279,  
0.3743

 68.2121, 0.3279,  
0.3743


454.2471, 0.3210,  
0.3526

 50.0703, 0.3294,  
0.3794


 116.6555, 0.3256,  
0.3666

 35.4693, 0.3312,  
0.3858

147.7259, 0.3246,  
0.3637

 24.0246, 0.3335,  
0.3941


183.8747, 0.3238,  
0.3612

 15.3519, 0.3364,  
0.4052

225.4861, 0.3231,  
0.3590

 9.0667, 0.3400,  
0.4206

272.9447, 0.3225,  
0.3571

 4.7847, 0.3448,  
0.4438


326.6348, 0.3220,

 2.1215, 0.3520,


0.3555


0.4838


386.9408, 0.3215,  
0.3540

 0.6767, 0.3441,  
0.6559


 0.0000, 0.0000,  
0.0000


 68.2121, 0.3279,  
0.3743

 68.2121, 0.3279,  
0.3743


 66.1894, 0.3363,  
0.4021


 70.4506, 0.3193,  
0.3479

 64.3658, 0.3440,  
0.4306

 72.9034, 0.3107,  
0.3234

 62.7360, 0.3507,  
0.4590

 75.5802, 0.3024,  
0.3009

 61.2909, 0.3558,  
0.4859

 77.4558, 0.3040,  
0.2949

■ 60.0206, 0.3589,  
0.5101

■ 78.9769, 0.3098,  
0.2955

■ 58.9139, 0.3597,  
0.5304

■ 80.1938, 0.3143,  
0.2960

■ 57.9580, 0.3579,  
0.5457

■ 57.1354, 0.3540,  
0.5559

■ 56.9551, 0.3529,  
0.5580

# Harmonies

## Analogous

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



68.2121, 0.3505, 0.3726



68.2121, 0.3279, 0.3743



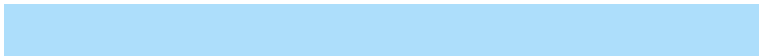
68.2121, 0.3019, 0.3624

# Triad

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



68.2121, 0.3279, 0.3743



68.2121, 0.2645, 0.2966



68.2121, 0.3466, 0.3170

# Complementary

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



68.2121, 0.3279, 0.3743



50.5440, 0.2954, 0.2828

# 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.



68.2121, 0.3222, 0.2987



68.2121, 0.3279, 0.3743



68.2121, 0.2753, 0.2867

# Square

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



68.2121, 0.3279, 0.3743



68.2121, 0.2660, 0.3160



68.2121, 0.2961, 0.2877



68.2121, 0.3618, 0.3387



# Rectangle

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



68.2121, 0.3279, 0.3743



68.2121, 0.2861, 0.3485



68.2121, 0.2961, 0.2877



68.2121, 0.3391, 0.3103

# Sweetspot

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



68.2151, 0.3279, 0.3743



98.2885, 0.3170, 0.3414



58.6593, 0.3437, 0.3463



20.9876, 0.3176, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

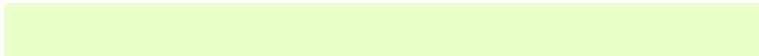


# Same Dimension

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



68.2151, 0.3279, 0.3743



93.3226, 0.3309, 0.3839



65.5990, 0.3137, 0.3763



15.0011, 0.3208, 0.3525



33.1526, 0.3539, 0.5572



2.1968, 0.3645, 0.5488



# Inverse Universe

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



50.5440, 0.2954, 0.2828



64.7371, 0.2914, 0.2727



53.3435, 0.3110, 0.2849



12.8598, 0.3041, 0.3053



4.2128, 0.1824, 0.0778

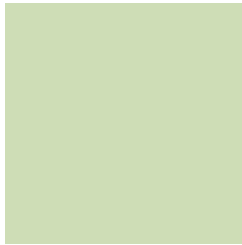


0.3216, 0.2009, 0.0880



# Previews

## White Background



This preview shows how the Yxy color 68.2121, 0.3279, 0.3743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

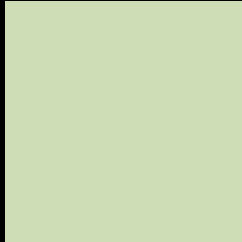
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.2121, 0.3279, 0.3743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

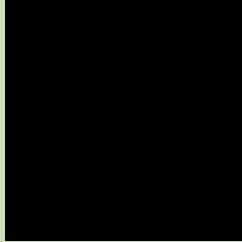
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

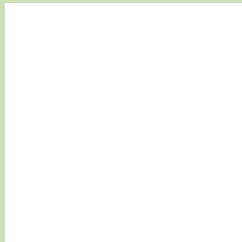
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.2121, 0.3279, 0.3743**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2121, 0.3279, 0.3743.



This preview shows how white text looks on a background with the Yxy color 68.2121, 0.3279, 0.3743.

# 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

68.2121, 0.3279, 0.3743

### Protanopia

68.1864, 0.3471, 0.3691

### Deuteranopia

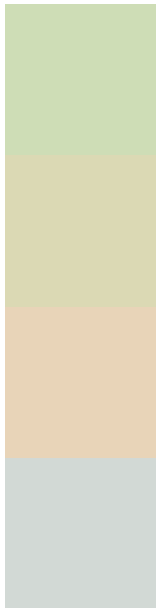
67.9026, 0.3603, 0.3524



## Tritanopia

68.0088, 0.3007, 0.3103

# Trichromacy



**Original Color**

68.2121, 0.3279, 0.3743

**Protanomaly**

67.9811, 0.3398, 0.3709

**Deuteranomaly**

67.7035, 0.3480, 0.3599

**Tritanomaly**

68.1314, 0.3103, 0.3335

# Monochromacy



**Original Color**

68.2121, 0.3279, 0.3743

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

66.5196, 0.3186, 0.3450

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2121, 0.3279, 0.3743 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, 221, 182)` looks like.

```
.text, #text, p{  
    color:rgb(206, 221, 182)  
}
```

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, 221, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 221, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2121, 0.3279, 0.3743 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, 221, 182) }
```

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

```
.border{ border-color:rgb(206, 221, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 221, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 221, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 221, 182); box-shadow:4px 4px 4px 4px rgb(206, 221, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2121, 0.3279, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 221, 182) }
```

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

```
.background{ background-color: rgb(206,  
221, 182) }
```

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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