

# Converting Colors

Yxy(67.6856, 0.3280, 0.3732)

Have a look what the booklet for  
Yxy(67.6856, 0.3280, 0.3732)  
contains.

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# Color

**Yxy(67.6856, 0.3280, 0.3732)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEDCB6
RGB	206, 220, 182
RGB Percent	81%, 86%, 71%
CMY	0.1922, 0.1372, 0.2862
CMYK	0.06, 0.00, 0.17, 0.14
HSL	82°, 35%, 79%
HSV	82°, 17%, 86%
XYZ	59.4879, 67.6856, 54.1920
YIQ	211.4820, 3.8540, -14.7860

# Conversions

## Conversions Part 2

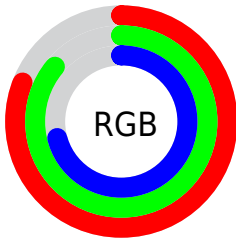
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 220, 196
Decimal	13556918
CIELab	85.85, -11.31, 17.10
CIElCh	86, 20.506, 123.474
Yxy	67.6856, 0.3280, 0.3732
Android (android.graphics.Color)	4291746998 (0xFFCEDCB6)
YUV	211.4820, -14.5346, -4.8077
Hunter-Lab	82.2713, -14.9067, 18.5356

# Details

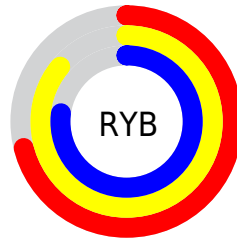
The Yxy color **67.6856, 0.3280, 0.3732** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.3705, 0.2954, 0.2838**, and the grayscale version is **65.5735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **35.1706, 0.3319, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **65.7167, 0.3367, 0.4008**, and if you desaturate by 10%, it is **69.8634, 0.3191, 0.3470**.

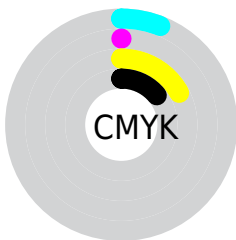
# Distribution



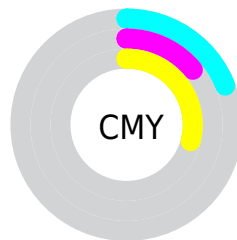
- Red (81%)
- Green (86%)
- Blue (71%)



- Red (71%)
- Yellow (86%)
- Blue (77%)



- Cyan (6%)
- Magenta (0%)
- Yellow (17%)
- Black (14%)




- Cyan (19%)
- Magenta (14%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6856, 0.3280, 0.3732 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 67.6856, 0.3280, 0.3732 by changing the saturation by 10% instead.




 67.6856, 0.3280,  
0.3732

 67.6856, 0.3280,  
0.3732

452.3813, 0.3211,  
0.3521

 49.6420, 0.3295,  
0.3782


 115.9023, 0.3256,  
0.3657

 35.1290, 0.3314,  
0.3845


146.8441, 0.3247,  
0.3629

 23.7623, 0.3337,  
0.3926


182.8542, 0.3239,  
0.3604

 15.1574, 0.3367,  
0.4034

224.3168, 0.3232,  
0.3583

 8.9299, 0.3404,  
0.4186

271.6164, 0.3226,  
0.3564

 4.6955, 0.3454,  
0.4413


325.1375, 0.3220,


 2.0697, 0.3531,

0.3548

0.4809


385.2643, 0.3215,  
0.3533


 0.6475, 0.3439,  
0.6561


 0.0000, 0.0000,  
0.0000


 67.6856, 0.3280,  
0.3732


 67.6856, 0.3280,  
0.3732


 65.7167, 0.3367,  
0.4008


 69.8634, 0.3191,  
0.3470


 63.9403, 0.3447,  
0.4292

 72.2482, 0.3103,  
0.3225

 62.3512, 0.3517,  
0.4573

 74.8499, 0.3018,  
0.3001

 60.9407, 0.3572,  
0.4841

 76.6693, 0.3030,  
0.2938

■ 59.6991, 0.3606,  
0.5081

■ 78.1106, 0.3085,  
0.2944

■ 58.6155, 0.3616,  
0.5283

■ 79.6161, 0.3141,  
0.2950

■ 57.6773, 0.3602,  
0.5435

■ 79.6710, 0.3143,  
0.2950

■ 56.8683, 0.3565,  
0.5537

■ 56.6627, 0.3553,  
0.5561

# Harmonies

## Analogous

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



67.6856, 0.3499, 0.3713



67.6856, 0.3280, 0.3732



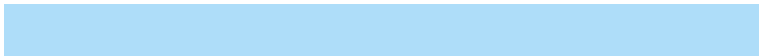
67.6856, 0.3026, 0.3619

# Triad

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



67.6856, 0.3280, 0.3732



67.6856, 0.2656, 0.2977



67.6856, 0.3453, 0.3169

# Complementary

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



67.6856, 0.3280, 0.3732



50.3705, 0.2954, 0.2838

# 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.



67.6856, 0.3215, 0.2991



67.6856, 0.3280, 0.3732



67.6856, 0.2759, 0.2878

# Square

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



67.6856, 0.3280, 0.3732



67.6856, 0.2673, 0.3168



67.6856, 0.2961, 0.2886



67.6856, 0.3604, 0.3381



# Rectangle

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



67.6856, 0.3280, 0.3732



67.6856, 0.2872, 0.3484



67.6856, 0.2961, 0.2886



67.6856, 0.3380, 0.3104

# Sweetspot

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



67.6886, 0.3280, 0.3732



98.3241, 0.3172, 0.3414



58.0503, 0.3431, 0.3452



20.9963, 0.3178, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

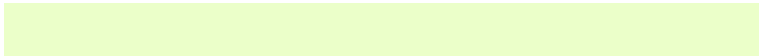


# Same Dimension

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



67.6886, 0.3280, 0.3732



93.4602, 0.3314, 0.3839



65.1439, 0.3141, 0.3751



15.0112, 0.3210, 0.3525



33.3170, 0.3563, 0.5553



2.2068, 0.3666, 0.5471



# Inverse Universe

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



50.3705, 0.2954, 0.2838



64.6096, 0.2909, 0.2726



53.0679, 0.3106, 0.2859



12.8501, 0.3038, 0.3052



4.1228, 0.1801, 0.0766



0.3151, 0.1985, 0.0867



# Previews

## White Background



This preview shows how the Yxy color 67.6856, 0.3280, 0.3732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

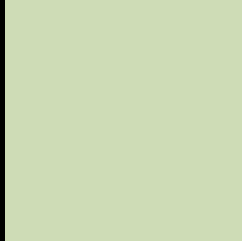
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.6856, 0.3280, 0.3732 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

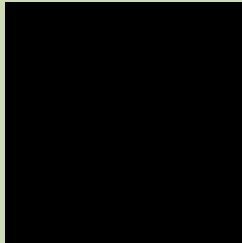
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

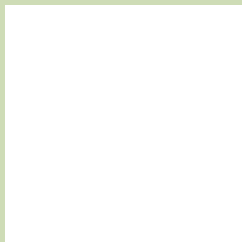
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.6856, 0.3280, 0.3732**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6856, 0.3280, 0.3732.

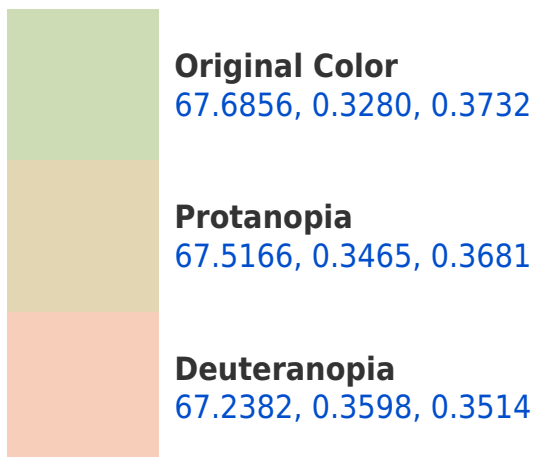


This preview shows how white text looks on a background with the Yxy color 67.6856, 0.3280, 0.3732.

# 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

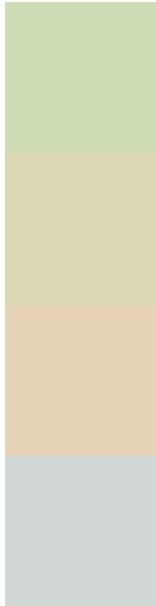




## Tritanopia

67.4478, 0.3014, 0.3103

# Trichromacy



**Original Color**

67.6856, 0.3280, 0.3732

**Protanomaly**

67.4671, 0.3399, 0.3699

**Deuteranomaly**

67.0381, 0.3474, 0.3589

**Tritanomaly**

67.6175, 0.3104, 0.3324

# Monochromacy



**Original Color**

67.6856, 0.3280, 0.3732

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

65.8186, 0.3186, 0.3451

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6856, 0.3280, 0.3732 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, 220, 182)` looks like.

```
.text, #text, p{  
    color:rgb(206, 220, 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, 220, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 220, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6856, 0.3280, 0.3732 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, 220, 182) }
```

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

```
.border{ border-color:rgb(206, 220, 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, 220, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 220, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 220, 182); box-shadow:4px 4px 4px 4px rgb(206, 220, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6856, 0.3280, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 220, 182) }
```

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

```
.background{ background-color: rgb(206,  
220, 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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