

# Converting Colors

$Yxy(66.8960, 0.3427, 0.3983)$

Have a look what the booklet for  
Yxy(66.8960, 0.3427, 0.3983)  
contains.

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# Color

**Yxy(66.8814, 0.3422, 0.3982)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEDECA1
RGB	206, 220, 161
RGB Percent	81%, 86%, 63%
CMY	0.1922, 0.1372, 0.3686
CMYK	0.06, 0.00, 0.27, 0.14
HSL	74°, 46%, 75%
HSV	74°, 27%, 86%
XYZ	57.4757, 66.8814, 43.6022
YIQ	209.0880, 10.5950, -21.3170

# Conversions

## Conversions Part 2

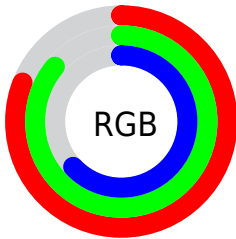
Format	Color
<a href="#">RYB</a>	<a href="#">161, 220, 175</a>
Decimal	<a href="#">13556897</a>
CIELab	<a href="#">85.44, -14.44, 27.49</a>
CIELCh	<a href="#">85, 31.050, 117.718</a>
Yxy	<a href="#">66.8814, 0.3422, 0.3982</a>
Android (android.graphics.Color)	<a href="#">4291746977</a> ( <a href="#">0xFFCEDCA1</a> )
YUV	<a href="#">209.0880, -23.7074, -2.7082</a>
Hunter-Lab	<a href="#">81.7810, -17.6671, 25.6358</a>

# Details

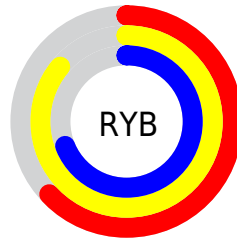
The Yxy color **66.8814, 0.3422, 0.3982** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.7804, 0.2775, 0.2546**, and the grayscale version is **63.9732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **34.5937, 0.3483, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **65.4387, 0.3526, 0.4252**, and if you desaturate by 10%, it is **68.4916, 0.3312, 0.3715**.

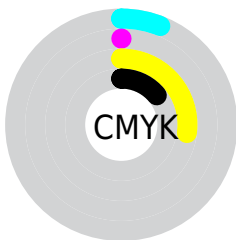
# Distribution



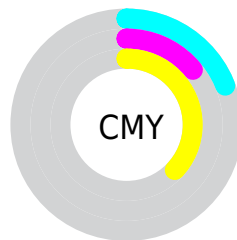
- Red (81%)
- Green (86%)
- Blue (63%)



- Red (63%)
- Yellow (86%)
- Blue (69%)



- Cyan (6%)
- Magenta (0%)
- Yellow (27%)
- Black (14%)



- Cyan (19%)
- Magenta (14%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8814, 0.3422, 0.3982 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 66.8814, 0.3422, 0.3982 by changing the saturation by 10% instead.





 66.8814, 0.3422,  
0.3982

 66.8814, 0.3422,  
0.3982

449.5225, 0.3290,  
0.3649

 48.9883, 0.3451,  
0.4061


 114.7505, 0.3377,  
0.3864

 34.6102, 0.3485,  
0.4159


 145.4951, 0.3359,  
0.3819

 23.3627, 0.3527,  
0.4286


181.2925, 0.3344,  
0.3781

 14.8616, 0.3577,  
0.4453

222.5268, 0.3330,  
0.3747

 8.7223, 0.3638,  
0.4685

269.5826, 0.3318,  
0.3718

 4.5605, 0.3706,  
0.5021

322.8442, 0.3308,

 1.9918, 0.4040,

0.3692

0.5960

382.6961, 0.3298,  
0.3670

0.6027, 0.2677,  
0.7323

0.0000, 0.0000,  
0.0000

66.8814, 0.3422,  
0.3982

66.8814, 0.3422,  
0.3982

65.4387, 0.3526,  
0.4252

68.4916, 0.3312,  
0.3715

64.1471, 0.3621,  
0.4514

70.2672, 0.3202,  
0.3457

63.0016, 0.3699,  
0.4759

72.2176, 0.3093,  
0.3214

61.9932, 0.3757,  
0.4975

74.3489, 0.2989,  
0.2989

■ 61.1120, 0.3791,  
0.5151

■ 75.5919, 0.2987,  
0.2933

■ 60.3463, 0.3798,  
0.5281

■ 76.4815, 0.3022,  
0.2937

■ 59.6809, 0.3781,  
0.5364

■ 77.3974, 0.3058,  
0.2941

■ 59.4820, 0.3774,  
0.5386

■ 78.3398, 0.3094,  
0.2945

■ 79.3089, 0.3130,  
0.2949

# Harmonies

## Analogous

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



66.8814, 0.3738, 0.3899



66.8814, 0.3422, 0.3982



66.8814, 0.3040, 0.3851

# Triad

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



66.8814, 0.3422, 0.3982



66.8814, 0.2416, 0.2855



66.8814, 0.3560, 0.3049

# Complementary

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



66.8814, 0.3422, 0.3982



39.7804, 0.2775, 0.2546

# Split Complementary

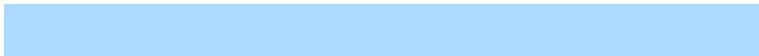
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8814, 0.3179, 0.2808



66.8814, 0.3422, 0.3982



66.8814, 0.2534, 0.2688

# Square

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



66.8814, 0.3422, 0.3982



66.8814, 0.2473, 0.3161



66.8814, 0.2805, 0.2677



66.8814, 0.3827, 0.3353



# Rectangle

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



66.8814, 0.3422, 0.3982



66.8814, 0.2800, 0.3655



66.8814, 0.2805, 0.2677



66.8814, 0.3440, 0.2959

# Sweetspot

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



66.8844, 0.3422, 0.3982



97.8464, 0.3215, 0.3489



48.3643, 0.3661, 0.3456



20.8603, 0.3232, 0.3527



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

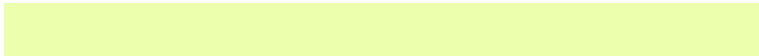


# Same Dimension

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



66.8844, 0.3422, 0.3982



92.3156, 0.3480, 0.4129



63.0828, 0.3203, 0.4032



15.0997, 0.3230, 0.3524



34.9589, 0.3780, 0.5381



2.3032, 0.3851, 0.5325



# Inverse Universe

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



39.7804, 0.2775, 0.2546



48.5731, 0.2688, 0.2373



43.5379, 0.3021, 0.2597



12.7659, 0.3018, 0.3051



3.5091, 0.1636, 0.0675



0.2671, 0.1801, 0.0766



# Previews

## White Background



This preview shows how the Yxy color 66.8814, 0.3422, 0.3982 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

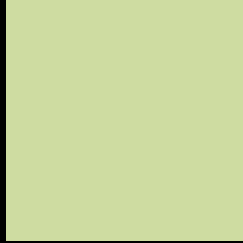
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8814, 0.3422, 0.3982 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

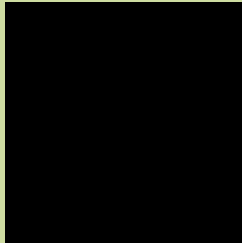
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

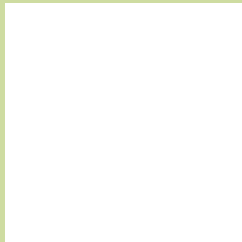
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.8814, 0.3422, 0.3982**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8814, 0.3422, 0.3982.

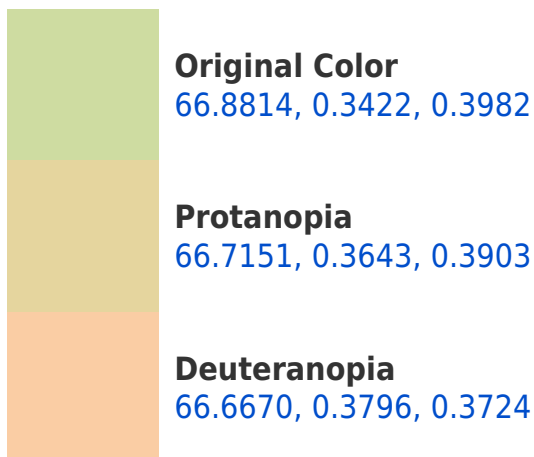


This preview shows how white text looks on a background with the Yxy color 66.8814, 0.3422, 0.3982.

# 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

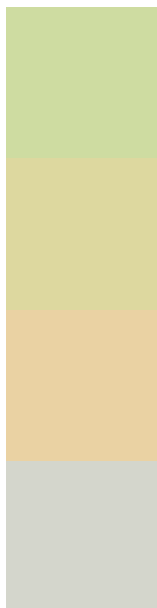




## Tritanopia

66.6370, 0.3041, 0.3103

# Trichromacy



## Original Color

66.8814, 0.3422, 0.3982

## Protanomaly

66.9871, 0.3563, 0.3937

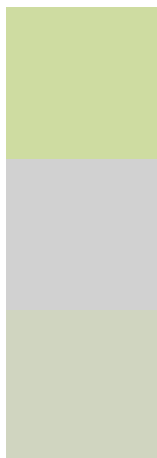
## Deuteranomaly

66.2300, 0.3657, 0.3808

## Tritanomaly

66.4498, 0.3181, 0.3404

# Monochromacy



## Original Color

66.8814, 0.3422, 0.3982

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.8042, 0.3235, 0.3534

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8814, 0.3422, 0.3982 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(206, 220, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 220, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8814, 0.3422, 0.3982 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, 161) }
```

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

```
.border{ border-color:rgb(206, 220, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 220, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 220, 161);  
box-shadow:4px 4px 4px 4px rgb(206, 220,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8814, 0.3422, 0.3982 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, 161) }
```

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

```
.background{ background-color: rgb(206,  
220, 161) }
```

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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