

# Converting Colors

Yxy(69.8422, 0.3254, 0.3759)

Have a look what the booklet for  
Yxy(69.8422, 0.3254, 0.3759)  
contains.

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# Color

**Yxy(69.7511, 0.3254, 0.3753)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDE0B8
RGB	205, 224, 184
RGB Percent	80%, 88%, 72%
CMY	0.1962, 0.1215, 0.2784
CMYK	0.09, 0.00, 0.18, 0.12
HSL	89°, 39%, 80%
HSV	89°, 18%, 88%
XYZ	60.4770, 69.7511, 55.6262
YIQ	213.7590, 1.5160, -16.4680

# Conversions

## Conversions Part 2

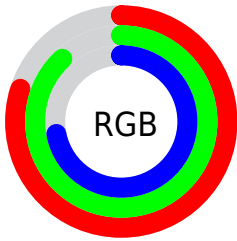
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 224, 203
Decimal	13492408
CIELab	86.87, -13.37, 17.49
CIELCh	87, 22.015, 127.408
Yxy	69.7511, 0.3254, 0.3753
Android (android.graphics.Color)	4291682488 (0xFFCDE0B8)
YUV	213.7590, -14.6712, -7.6816
Hunter-Lab	83.5171, -16.8984, 18.9722

# Details

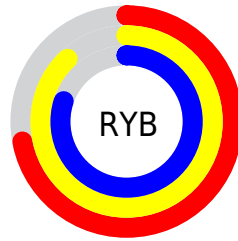
The Yxy color **69.7511, 0.3254, 0.3753** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.3713, 0.2981, 0.2826**, and the grayscale version is **67.1725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **36.5939, 0.3284, 0.3871** is the 20% darker color. If you saturate the color by 10%, you get **67.4224, 0.3322, 0.4038**, and if you desaturate by 10%, it is **72.3381, 0.3183, 0.3486**.

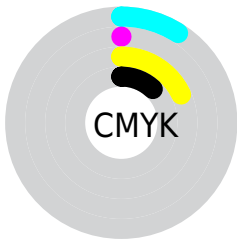
# Distribution



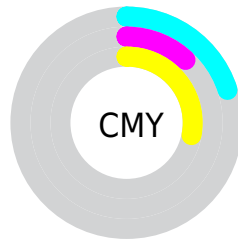
- Red (80%)
- Green (88%)
- Blue (72%)



- Red (72%)
- Yellow (88%)
- Blue (80%)



- Cyan (9%)
- Magenta (0%)
- Yellow (18%)
- Black (12%)




- Cyan (20%)
- Magenta (12%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7511, 0.3254, 0.3753 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 69.7511, 0.3254, 0.3753 by changing the saturation by 10% instead.



 69.7511, 0.3254,  
0.3753

 69.7511, 0.3254,  
0.3753

459.6756, 0.3198,  
0.3532

 51.3236, 0.3266,  
0.3805


 118.8537, 0.3235,  
0.3675

 36.4662, 0.3281,  
0.3870


150.2977, 0.3227,  
0.3645

 24.7945, 0.3299,  
0.3955

186.8493, 0.3221,  
0.3619

 15.9240, 0.3321,  
0.4067

228.8929, 0.3215,  
0.3597

 9.4704, 0.3349,  
0.4224

276.8130, 0.3210,  
0.3578

 5.0493, 0.3382,  
0.4458


330.9938, 0.3205,


 2.2762, 0.3423,


0.3561


0.4849


391.8199, 0.3201,  
0.3546


 0.7611, 0.3428,  
0.6572


 0.0000, 0.0000,  
0.0000


 69.7511, 0.3254,  
0.3753

 69.7511, 0.3254,  
0.3753


 67.4224, 0.3322,  
0.4038


 72.3381, 0.3183,  
0.3486


 65.3338, 0.3383,  
0.4333

 75.1828, 0.3112,  
0.3239

 63.4787, 0.3434,  
0.4630

 78.2962, 0.3043,  
0.3015

 61.8468, 0.3470,  
0.4915

 80.4287, 0.3091,  
0.2985

■ 60.4265, 0.3486,  
0.5174

■ 81.7992, 0.3141,  
0.2990

■ 59.2052, 0.3480,  
0.5392

■ 58.1682, 0.3451,  
0.5558

■ 57.2959, 0.3402,  
0.5669

■ 57.1247, 0.3391,  
0.5690

# Harmonies

## Analogous

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



69.7511, 0.3496, 0.3750



69.7511, 0.3254, 0.3753



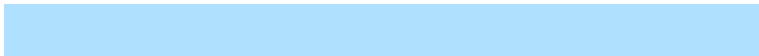
69.7511, 0.2985, 0.3615

# Triad

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



69.7511, 0.3254, 0.3753



69.7511, 0.2635, 0.2937



69.7511, 0.3502, 0.3190

# Complementary

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



69.7511, 0.3254, 0.3753



52.3713, 0.2981, 0.2826

# 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.



69.7511, 0.3256, 0.2995



69.7511, 0.3254, 0.3753



69.7511, 0.2759, 0.2848

# Square

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



69.7511, 0.3254, 0.3753



69.7511, 0.2635, 0.3128



69.7511, 0.2984, 0.2871



69.7511, 0.3645, 0.3415



# Rectangle

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



69.7511, 0.3254, 0.3753



69.7511, 0.2827, 0.3464



69.7511, 0.2984, 0.2871



69.7511, 0.3428, 0.3119

# Sweetspot

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



69.7541, 0.3254, 0.3753



98.0724, 0.3163, 0.3414



61.8703, 0.3435, 0.3503



20.9351, 0.3168, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

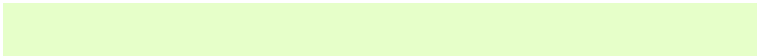


# Same Dimension

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



69.7541, 0.3254, 0.3753



92.4986, 0.3277, 0.3845



67.1369, 0.3114, 0.3773



15.6887, 0.3194, 0.3527



33.3148, 0.3401, 0.5681



2.3624, 0.3516, 0.5590



# Inverse Universe

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



52.3713, 0.2981, 0.2826



65.5262, 0.2949, 0.2733



55.3040, 0.3137, 0.2847



13.5618, 0.3055, 0.3053



5.0076, 0.1981, 0.0865



0.4001, 0.2151, 0.0959



# Previews

## White Background



This preview shows how the Yxy color 69.7511, 0.3254, 0.3753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

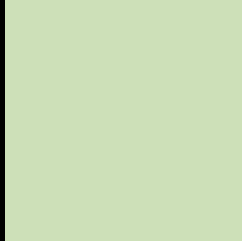
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.7511, 0.3254, 0.3753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

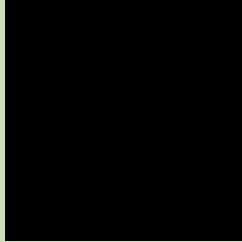
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

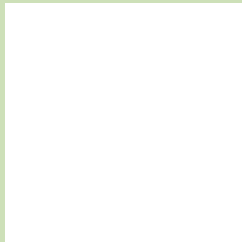
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.7511, 0.3254, 0.3753**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7511, 0.3254, 0.3753.



This preview shows how white text looks on a background with the Yxy color 69.7511, 0.3254, 0.3753.

# 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

69.7511, 0.3254, 0.3753

### Protanopia

69.5790, 0.3475, 0.3699

### Deuteranopia

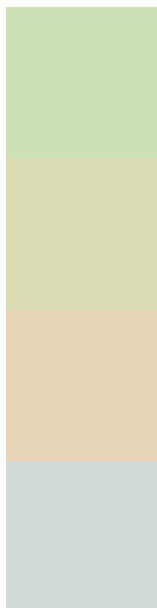
69.3285, 0.3599, 0.3522



## Tritanopia

69.5633, 0.2981, 0.3104

# Trichromacy



## Original Color

69.7511, 0.3254, 0.3753

## Protanomaly

69.7382, 0.3393, 0.3729

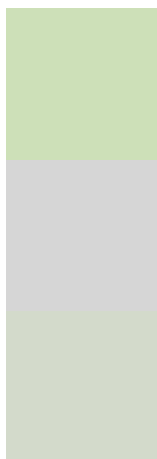
## Deuteranomaly

68.9619, 0.3469, 0.3597

## Tritanomaly

69.6996, 0.3076, 0.3335

# Monochromacy



## Original Color

69.7511, 0.3254, 0.3753

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

68.3035, 0.3177, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7511, 0.3254, 0.3753 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(205, 224, 184)` looks like.

```
.text, #text, p{  
    color:rgb(205, 224, 184)  
}
```

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(205, 224, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 224, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7511, 0.3254, 0.3753 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(205, 224, 184) }
```

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

```
.border{ border-color:rgb(205, 224, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 224, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 224, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 224, 184);  
box-shadow:4px 4px 4px 4px rgb(205, 224,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7511, 0.3254, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 224, 184) }
```

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

```
.background{ background-color: rgb(205,  
224, 184) }
```

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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