

# Converting Colors

$Yxy(68.6314, 0.3505, 0.3950)$

Have a look what the booklet for  
Yxy(68.6314, 0.3505, 0.3950)  
contains.

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# Color

**Yxy(68.7005, 0.3508, 0.3949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADCA2
RGB	218, 220, 162
RGB Percent	85%, 86%, 64%
CMY	0.1451, 0.1372, 0.3646
CMYK	0.01, 0.00, 0.26, 0.14
HSL	62°, 45%, 75%
HSV	62°, 26%, 86%
XYZ	61.0285, 68.7005, 44.2404
YIQ	212.7900, 17.4260, -18.4620

# Conversions

## Conversions Part 2

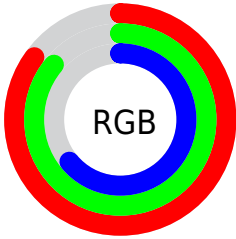
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 220, 164
Decimal	14343330
CIE <sub>Lab</sub>	86.36, -9.83, 28.34
CIE <sub>LCh</sub>	86, 30.000, 109.133
Yxy	68.7005, 0.3508, 0.3949
Android (android.graphics.Color)	4292533410 (0xFFDADCA2)
YUV	212.7900, -25.0395, 4.5692
Hunter-Lab	82.8858, -13.6213, 26.3739

# Details

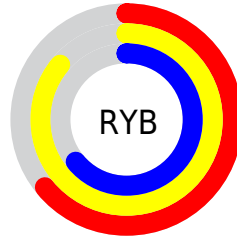
The Yxy color **68.7005, 0.3508, 0.3949** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.9171, 0.2688, 0.2541**, and the grayscale version is **66.5561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **35.7174, 0.3587, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **67.8706, 0.3650, 0.4197**, and if you desaturate by 10%, it is **69.6740, 0.3362, 0.3696**.

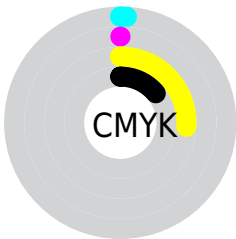
# Distribution



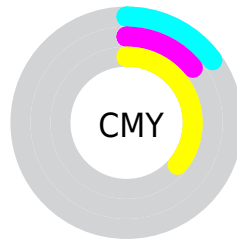
- Red (85%)
- Green (86%)
- Blue (64%)



- Red (64%)
- Yellow (86%)
- Blue (64%)



- Cyan (1%)
- Magenta (0%)
- Yellow (26%)
- Black (14%)




- Cyan (15%)
- Magenta (14%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7005, 0.3508, 0.3949 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 68.7005, 0.3508, 0.3949 by changing the saturation by 10% instead.




 68.7005, 0.3508,  
0.3949

 68.7005, 0.3508,  
0.3949


455.9739, 0.3335,  
0.3636

 50.4678, 0.3546,  
0.4022


 117.3537, 0.3449,  
0.3839

 35.7853, 0.3592,  
0.4112


 148.5430, 0.3426,  
0.3797

 24.2684, 0.3649,  
0.4227


184.8200, 0.3405,  
0.3761

 15.5328, 0.3720,  
0.4377

226.5691, 0.3388,  
0.3729

 9.1942, 0.3809,  
0.4581

274.1746, 0.3372,  
0.3702

 4.8681, 0.3918,  
0.4867

328.0210, 0.3358,

 2.1701, 0.4329,

0.3677

388.4927, 0.3346,  
0.3656

0.5671

0.7036, 0.3786,  
0.6214

0.0000, 0.0000,  
0.0000

68.7005, 0.3508,  
0.3949

68.7005, 0.3508,  
0.3949

67.8706, 0.3650,  
0.4197

69.6740, 0.3362,  
0.3696

67.1679, 0.3782,  
0.4431

70.7885, 0.3217,  
0.3445


66.5877, 0.3898,  
0.4640


72.0532, 0.3077,  
0.3203

66.1215, 0.3994,  
0.4815

73.4739, 0.2943,  
0.2975

 65.7594, 0.4064,  
0.4950


 73.9099, 0.2918,  
0.2926

 65.4903, 0.4109,  
0.5040

 74.0308, 0.2923,  
0.2926

 65.2996, 0.4128,  
0.5089

 74.1522, 0.2928,  
0.2927

 65.2404, 0.4132,  
0.5101

 74.2742, 0.2933,  
0.2927

 74.3967, 0.2938,  
0.2928

# Harmonies

## Analogous

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



68.7005, 0.3773, 0.3821



68.7005, 0.3508, 0.3949



68.7005, 0.3150, 0.3882

# Triad

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



68.7005, 0.3508, 0.3949



68.7005, 0.2443, 0.2946



68.7005, 0.3444, 0.2984

# Complementary

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



68.7005, 0.3508, 0.3949



38.9171, 0.2688, 0.2541

# Split Complementary

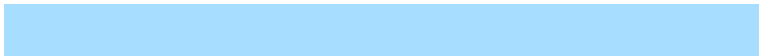
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.7005, 0.3070, 0.2779



68.7005, 0.3508, 0.3949



68.7005, 0.2509, 0.2744

# Square

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



68.7005, 0.3508, 0.3949



68.7005, 0.2545, 0.3268



68.7005, 0.2731, 0.2690



68.7005, 0.3741, 0.3265



# Rectangle

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



68.7005, 0.3508, 0.3949



68.7005, 0.2909, 0.3727



68.7005, 0.2731, 0.2690



68.7005, 0.3322, 0.2905

# Sweetspot

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



68.7036, 0.3508, 0.3949



98.6209, 0.3242, 0.3487



44.3646, 0.3684, 0.3315



21.0567, 0.3264, 0.3525



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.



68.7036, 0.3508, 0.3949



95.2788, 0.3593, 0.4097



64.6293, 0.3287, 0.3999



15.2396, 0.3262, 0.3521



38.2971, 0.4133, 0.5100



2.4884, 0.4144, 0.5092



# Inverse Universe

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



38.9171, 0.2688, 0.2541



46.5184, 0.2571, 0.2344



42.3507, 0.2924, 0.2590



12.6387, 0.2986, 0.3049



3.0715, 0.1512, 0.0606

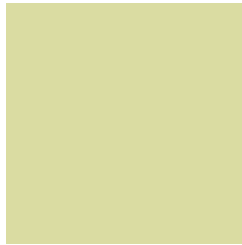


0.2068, 0.1546, 0.0626



# Previews

## White Background



This preview shows how the Yxy color 68.7005, 0.3508, 0.3949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

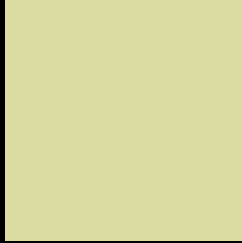
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7005, 0.3508, 0.3949 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

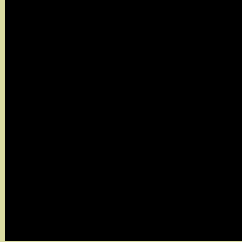
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

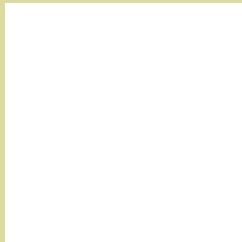
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.7005, 0.3508, 0.3949**

## Background



This preview shows how black text looks on a background with the Yxy color 68.7005, 0.3508, 0.3949.



This preview shows how white text looks on a background with the Yxy color 68.7005, 0.3508, 0.3949.

# 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

68.7005, 0.3508, 0.3949

### Protanopia

68.8056, 0.3644, 0.3906

### Deuteranopia

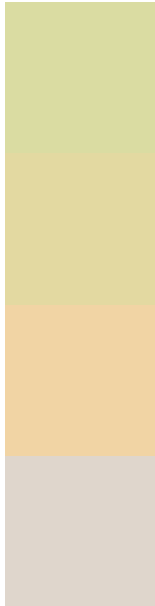
68.4131, 0.3813, 0.3728



## Tritanopia

68.3587, 0.3121, 0.3107

# Trichromacy



**Original Color**

68.7005, 0.3508, 0.3949

**Protanomaly**

68.5298, 0.3594, 0.3914

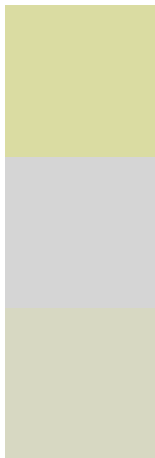
**Deuteranomaly**

68.4681, 0.3699, 0.3808

**Tritanomaly**

68.1407, 0.3263, 0.3401

# Monochromacy



**Original Color**

68.7005, 0.3508, 0.3949

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.4538, 0.3270, 0.3540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7005, 0.3508, 0.3949 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(218, 220, 162)` looks like.

```
.text, #text, p{  
    color:rgb(218, 220, 162)  
}
```

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(218, 220, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 220, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7005, 0.3508, 0.3949 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(218, 220, 162) }
```

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

```
.border{ border-color:rgb(218, 220, 162) }
```

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

Here you see how a box with a 4 pixel rgb(218, 220, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 220, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 220, 162);  
box-shadow:4px 4px 4px 4px rgb(218, 220,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7005, 0.3508, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 220, 162) }
```

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

```
.background{ background-color: rgb(218,  
220, 162) }
```

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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