

# Converting Colors

$Yxy(69.3008, 0.3308, 0.3653)$

Have a look what the booklet for  
Yxy(69.3008, 0.3308, 0.3653)  
contains.

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# Color

**Yxy(69.2643, 0.3307, 0.3653)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | D7DCBC                     |
| RGB           | 215, 220, 188              |
| RGB Percent   | 84%, 86%, 74%              |
| CMY           | 0.1567, 0.1373, 0.2627     |
| CMYK          | 0.02, 0.00, 0.15, 0.14     |
| HSL           | 69°, 31%, 80%              |
| HSV           | 69°, 15%, 86%              |
| XYZ           | 62.7038, 69.2643, 57.6412  |
| YIQ           | 214.8570, 7.2920, -11.0120 |

# Conversions

## Conversions Part 2

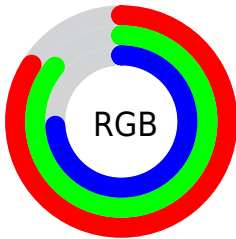
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>YB</sub>                     | 188, 220, 193                 |
| Decimal                             | 14146748                      |
| CIE Lab                             | 86.63, -7.12, 15.17           |
| CIE LCh                             | 87, 16.756, 115.164           |
| Yxy                                 | 69.2643, 0.3307,<br>0.3653    |
| Android<br>(android.graphics.Color) | 4292336828<br>(0xFFD7DCBC)    |
| YUV                                 | 214.8570, -13.2405,<br>0.1254 |
| Hunter-Lab                          | 83.2252, -11.1579,<br>17.1937 |

# Details

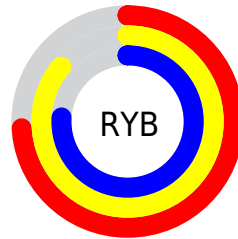
The Yxy color **69.2643, 0.3307, 0.3653** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.4651, 0.2931, 0.2908**, and the grayscale version is **67.9465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **36.1331, 0.3345, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **67.8796, 0.3432, 0.3914**, and if you desaturate by 10%, it is **70.8105, 0.3183, 0.3401**.

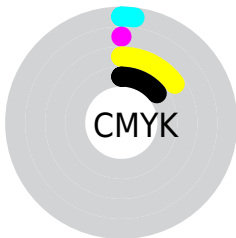
# Distribution



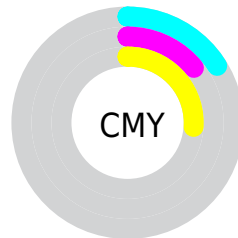
- Red (84%)
- Green (86%)
- Blue (74%)



- Red (74%)
- Yellow (86%)
- Blue (76%)



- Cyan (2%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)




- Cyan (16%)
- Magenta (14%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2643, 0.3307, 0.3653 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 69.2643, 0.3307, 0.3653 by changing the saturation by 10% instead.





 69.2643, 0.3307,  
0.3653

 69.2643, 0.3307,  
0.3653


457.9626, 0.3224,  
0.3481

 50.9270, 0.3326,  
0.3693


 118.1590, 0.3278,  
0.3593

 36.1505, 0.3349,  
0.3743


149.4852, 0.3267,  
0.3569

 24.5505, 0.3378,  
0.3808


185.9097, 0.3258,  
0.3549

 15.7424, 0.3415,  
0.3893

227.8171, 0.3249,  
0.3532

 9.3421, 0.3465,  
0.4012

275.5917, 0.3242,  
0.3517

 4.9650, 0.3534,  
0.4187

329.6179, 0.3235,

 2.2267, 0.3634,

0.3504

0.4469

390.2800, 0.3230,  
0.3492

0.7345, 0.4165,  
0.5835

0.0000, 0.0000,  
0.0000

69.2643, 0.3307,  
0.3653

69.2643, 0.3307,  
0.3653

67.8796, 0.3432,  
0.3914

70.8105, 0.3183,  
0.3401

66.6406, 0.3553,  
0.4175

72.5151, 0.3062,  
0.3161

65.5432, 0.3665,  
0.4429

74.3871, 0.2947,  
0.2938

64.5798, 0.3763,  
0.4664

75.0048, 0.2963,  
0.2931

63.7419, 0.3841,  
0.4871

75.5691, 0.2986,  
0.2933

63.0199, 0.3895,  
0.5039

76.1445, 0.3009,  
0.2935

62.4027, 0.3923,  
0.5162

76.7310, 0.3032,  
0.2938

61.8769, 0.3925,  
0.5240

77.3287, 0.3055,  
0.2940

61.6162, 0.3920,  
0.5270

77.9376, 0.3079,  
0.2943

# Harmonies

## Analogous

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



69.2643, 0.3466, 0.3612



69.2643, 0.3307, 0.3653



69.2643, 0.3103, 0.3589

# Triad

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



69.2643, 0.3307, 0.3653



69.2643, 0.2736, 0.3074



69.2643, 0.3343, 0.3147

# Complementary

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



69.2643, 0.3307, 0.3653



52.4651, 0.2931, 0.2908

# 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.



69.2643, 0.3141, 0.3015



69.2643, 0.3307, 0.3653



69.2643, 0.2795, 0.2969

# Square

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



69.2643, 0.3307, 0.3653



69.2643, 0.2778, 0.3245



69.2643, 0.2941, 0.2949



69.2643, 0.3489, 0.3318



# Rectangle

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



69.2643, 0.3307, 0.3653



69.2643, 0.2970, 0.3495



69.2643, 0.2941, 0.2949



69.2643, 0.3279, 0.3097

# Sweetspot

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



69.2673, 0.3307, 0.3653



99.0623, 0.3176, 0.3388



56.8971, 0.3388, 0.3346



21.1665, 0.3186, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

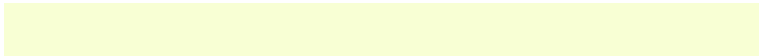


# Same Dimension

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



69.2673, 0.3307, 0.3653



96.2658, 0.3340, 0.3720



66.9830, 0.3190, 0.3666



15.1565, 0.3243, 0.3523



36.2041, 0.3924, 0.5266



2.3736, 0.3970, 0.5229



# Inverse Universe

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



52.4651, 0.2931, 0.2908



69.0928, 0.2892, 0.2833



54.6596, 0.3055, 0.2922



12.7134, 0.3005, 0.3050



3.2633, 0.1567, 0.0637

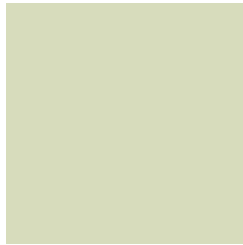


0.2423, 0.1700, 0.0710



# Previews

## White Background



This preview shows how the Yxy color 69.2643, 0.3307, 0.3653 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

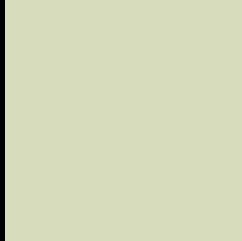
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2643, 0.3307, 0.3653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

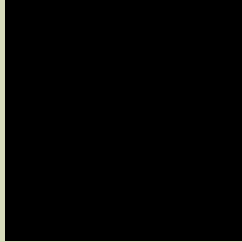
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

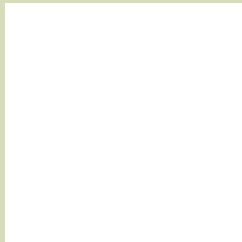
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.2643, 0.3307, 0.3653**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2643, 0.3307, 0.3653.



This preview shows how white text looks on a background with the Yxy color 69.2643, 0.3307, 0.3653.

# 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

69.2643, 0.3307, 0.3653

### Protanopia

69.1509, 0.3426, 0.3622

### Deuteranopia

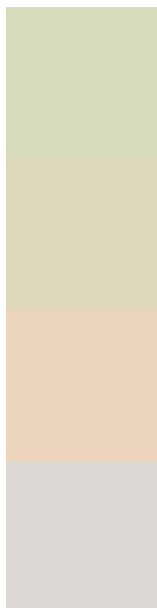
69.0928, 0.3560, 0.3492



## Tritanopia

69.2348, 0.3064, 0.3106

# Trichromacy



## Original Color

69.2643, 0.3307, 0.3653

## Protanomaly

68.9015, 0.3379, 0.3626

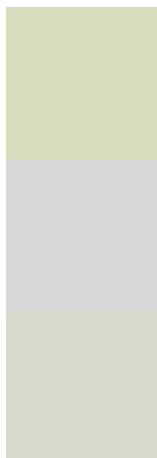
## Deuteranomaly

68.9248, 0.3465, 0.3552

## Tritanomaly

69.0781, 0.3156, 0.3301

# Monochromacy



## Original Color

69.2643, 0.3307, 0.3653

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.4806, 0.3194, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2643, 0.3307, 0.3653 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(215, 220, 188)` looks like.

```
.text, #text, p{  
    color:rgb(215, 220, 188)  
}
```

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(215, 220, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 220, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2643, 0.3307, 0.3653 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(215, 220, 188) }
```

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

```
.border{ border-color:rgb(215, 220, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 220, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 220, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 220, 188); box-shadow:4px 4px 4px 4px rgb(215, 220, 188) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2643, 0.3307, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 220, 188) }
```

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

```
.background{ background-color: rgb(215,  
220, 188) }
```

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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