

# Converting Colors

Yxy(63.5685, 0.3574, 0.4133)

Have a look what the booklet for  
Yxy(63.5685, 0.3574, 0.4133)  
contains.

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# Color

**Yxy(63.4862, 0.3576, 0.4127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0D68F
RGB	208, 214, 143
RGB Percent	82%, 84%, 56%
CMY	0.1844, 0.1607, 0.4393
CMYK	0.03, 0.00, 0.33, 0.16
HSL	65°, 46%, 70%
HSV	65°, 33%, 84%
XYZ	55.0101, 63.4862, 35.3351
YIQ	204.1120, 19.2150, -23.3530

# Conversions

## Conversions Part 2

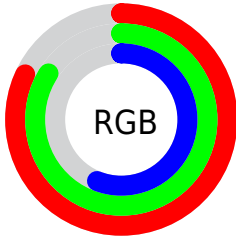
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 214, 149
Decimal	13686415
CIELab	83.70, -13.05, 34.45
CIELCh	84, 36.841, 110.744
Yxy	63.4862, 0.3576, 0.4127
Android (android.graphics.Color)	4291876495 (0xFFD0D68F)
YUV	204.1120, -30.1282, 3.4098
Hunter-Lab	79.6782, -16.2000, 29.4813

# Details

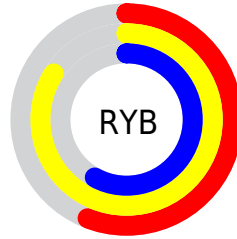
The Yxy color **63.4862, 0.3576, 0.4127** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.8889, 0.2583, 0.2322**, and the grayscale version is **60.6414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **32.3413, 0.3676, 0.4328** is the 20% darker color. If you saturate the color by 10%, you get **62.6388, 0.3702, 0.4373**, and if you desaturate by 10%, it is **64.4660, 0.3442, 0.3872**.

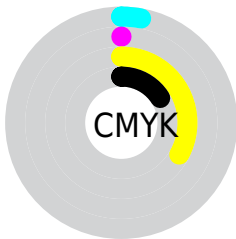
# Distribution



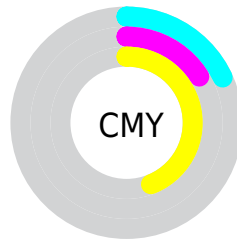
- Red (82%)
- Green (84%)
- Blue (56%)



- Red (56%)
- Yellow (84%)
- Blue (58%)



- Cyan (3%)
- Magenta (0%)
- Yellow (33%)
- Black (16%)




- Cyan (18%)
- Magenta (16%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4862, 0.3576, 0.4127 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 63.4862, 0.3576, 0.4127 by changing the saturation by 10% instead.





 63.4862, 0.3576,  
0.4127

 63.4862, 0.3576,  
0.4127

437.3319, 0.3373,  
0.3724

 46.2347, 0.3620,  
0.4222

 109.8706, 0.3507,  
0.3985

 32.4310, 0.3672,  
0.4340


 139.7723, 0.3480,  
0.3930

 21.6909, 0.3735,  
0.4490


174.6595, 0.3456,  
0.3883

 13.6300, 0.3811,  
0.4687

214.9166, 0.3435,  
0.3843

 7.8638, 0.3897,  
0.4951

260.9280, 0.3417,  
0.3807

 4.0079, 0.4026,  
0.5374

313.0781, 0.3400,

 1.6780, 0.4077,

0.3776

0.5923

371.7512, 0.3386,  
0.3749

0.4093, 0.1470,  
0.8530

0.0000, 0.0000,  
0.0000

63.4862, 0.3576,  
0.4127

63.4862, 0.3576,  
0.4127

62.6388, 0.3702,  
0.4373

64.4660, 0.3442,  
0.3872

61.9083, 0.3815,  
0.4599


65.5763, 0.3305,  
0.3616

61.2896, 0.3909,  
0.4796


66.8259, 0.3169,  
0.3367

60.7742, 0.3979,  
0.4955


68.2205, 0.3039,  
0.3130


 60.3519, 0.4023,  
0.5070


 69.7654, 0.2915,  
0.2908


 60.0106, 0.4042,  
0.5142

 70.3644, 0.2897,  
0.2859

 59.8105, 0.4043,  
0.5171

 70.6481, 0.2909,  
0.2861

 70.9350, 0.2921,  
0.2862

 71.2250, 0.2933,  
0.2864

# Harmonies

## Analogous

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



63.4862, 0.3924, 0.3962



63.4862, 0.3576, 0.4127



63.4862, 0.3123, 0.4038

# Triad

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



63.4862, 0.3576, 0.4127



63.4862, 0.2278, 0.2833



63.4862, 0.3548, 0.2926

# Complementary

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



63.4862, 0.3576, 0.4127



30.8889, 0.2583, 0.2322

# Split Complementary

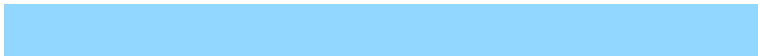
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.4862, 0.3076, 0.2669



63.4862, 0.3576, 0.4127



63.4862, 0.2369, 0.2599

# Square

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



63.4862, 0.3576, 0.4127



63.4862, 0.2389, 0.3230



63.4862, 0.2650, 0.2549



63.4862, 0.3918, 0.3271



# Rectangle

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



63.4862, 0.3576, 0.4127



63.4862, 0.2825, 0.3829



63.4862, 0.2650, 0.2549



63.4862, 0.3394, 0.2827

# Sweetspot

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



63.4891, 0.3576, 0.4127



98.0560, 0.3263, 0.3538



37.7461, 0.3872, 0.3366



20.9333, 0.3282, 0.3574



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.



63.4891, 0.3576, 0.4127



93.4712, 0.3668, 0.4306



58.9198, 0.3297, 0.4209



14.4637, 0.3253, 0.3521



36.1686, 0.4046, 0.5170



2.1977, 0.4073, 0.5148



# Inverse Universe

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



30.8889, 0.2583, 0.2322



37.6501, 0.2440, 0.2075



34.7389, 0.2891, 0.2401



12.0587, 0.2994, 0.3050



3.0322, 0.1530, 0.0616



0.2008, 0.1617, 0.0664



# Previews

## White Background



This preview shows how the Yxy color 63.4862, 0.3576, 0.4127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

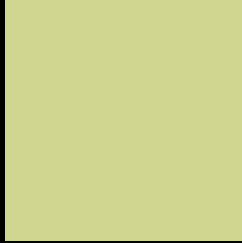
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4862, 0.3576, 0.4127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

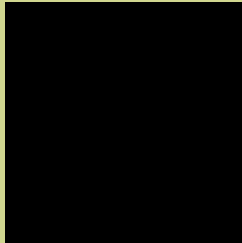
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.4862, 0.3576, 0.4127**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4862, 0.3576, 0.4127.



This preview shows how white text looks on a background with the Yxy color 63.4862, 0.3576, 0.4127.

# 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

63.4862, 0.3576, 0.4127

### Protanopia

63.2036, 0.3759, 0.4045

### Deuteranopia

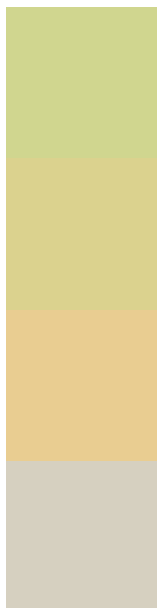
63.3403, 0.3938, 0.3864



## Tritanopia

63.2585, 0.3120, 0.3112

# Trichromacy



## Original Color

63.4862, 0.3576, 0.4127

## Protanomaly

63.1062, 0.3686, 0.4071

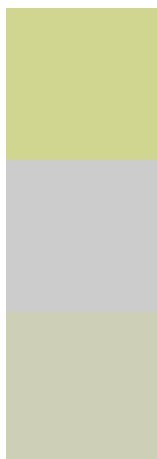
## Deuteranomaly

63.0306, 0.3800, 0.3956

## Tritanomaly

63.2137, 0.3287, 0.3475

# Monochromacy



## Original Color

63.4862, 0.3576, 0.4127

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

61.4683, 0.3289, 0.3599

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4862, 0.3576, 0.4127 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(208, 214, 143)` looks like.

```
.text, #text, p{  
    color:rgb(208, 214, 143)  
}
```

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(208, 214, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 214, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4862, 0.3576, 0.4127 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(208, 214, 143) }
```

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

```
.border{ border-color:rgb(208, 214, 143) }
```

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

Here you see how a box with a 4 pixel rgb(208, 214, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 214, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 214, 143);  
box-shadow:4px 4px 4px 4px rgb(208, 214,  
143) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 63.4862, 0.3576, 0.4127$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 214, 143) }
```

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

```
.background{ background-color: rgb(208,  
214, 143) }
```

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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