

# Converting Colors

Yxy(63.9544, 0.3467, 0.4002)

Have a look what the booklet for  
Yxy(63.9544, 0.3467, 0.4002)  
contains.

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# Color

**Yxy(63.9466, 0.3467, 0.4002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDD79B
RGB	205, 215, 155
RGB Percent	80%, 84%, 61%
CMY	0.1960, 0.1569, 0.3921
CMYK	0.05, 0.00, 0.28, 0.16
HSL	70°, 43%, 73%
HSV	70°, 28%, 84%
XYZ	55.3980, 63.9466, 40.4420
YIQ	205.1700, 13.3000, -20.7800

# Conversions

## Conversions Part 2

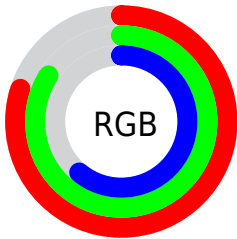
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 215, 165
Decimal	13490075
CIELab	83.94, -13.11, 28.54
CIELCh	84, 31.408, 114.667
Yxy	63.9466, 0.3467, 0.4002
Android (android.graphics.Color)	4291680155 (0xFFCDD79B)
YUV	205.1700, -24.7338, -0.1491
Hunter-Lab	79.9666, -16.2832, 25.9916

# Details

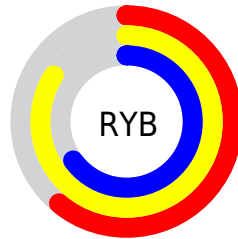
The Yxy color **63.9466, 0.3467, 0.4002** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.3561, 0.2723, 0.2506**, and the grayscale version is **61.3221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **32.6049, 0.3544, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **62.7868, 0.3583, 0.4263**, and if you desaturate by 10%, it is **65.2524, 0.3345, 0.3740**.

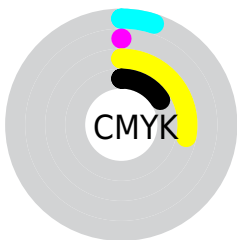
# Distribution



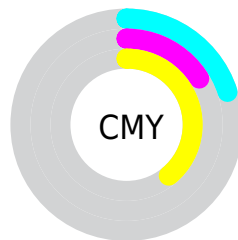
- Red (80%)
- Green (84%)
- Blue (61%)



- Red (61%)
- Yellow (84%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (28%)
- Black (16%)




- Cyan (20%)
- Magenta (16%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9466, 0.3467, 0.4002 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 63.9466, 0.3467, 0.4002 by changing the saturation by 10% instead.



 63.9466, 0.3467,  
0.4002


 63.9466, 0.3467,  
0.4002


438.9968, 0.3312,  
0.3658

 46.6074, 0.3501,  
0.4084


 110.5340, 0.3414,  
0.3880

 32.7254, 0.3542,  
0.4186


 140.5511, 0.3394,  
0.3833

 21.9162, 0.3591,  
0.4318


175.5629, 0.3376,  
0.3793

 13.7953, 0.3653,  
0.4493

215.9538, 0.3360,  
0.3759

 7.9784, 0.3726,  
0.4734

262.1082, 0.3346,  
0.3729

 4.0812, 0.3809,  
0.5082

314.4106, 0.3333,

 1.7191, 0.4080,

0.3702

0.5920

373.2453, 0.3322,  
0.3679

0.4360, 0.1780,  
0.8220

0.0000, 0.0000,  
0.0000

63.9466, 0.3467,  
0.4002

63.9466, 0.3467,  
0.4002

62.7868, 0.3583,  
0.4263

65.2524, 0.3345,  
0.3740

61.7575, 0.3689,  
0.4513

66.7019, 0.3222,  
0.3484

60.8541, 0.3779,  
0.4742


68.3041, 0.3102,  
0.3240

60.0681, 0.3847,  
0.4939

70.0646, 0.2987,  
0.3012


 59.3902, 0.3891,  
0.5095

 71.4947, 0.2924,  
0.2873

 58.8092, 0.3908,  
0.5206

 72.0690, 0.2948,  
0.2876

 58.3094, 0.3902,  
0.5274

 72.6553, 0.2972,  
0.2879

 58.2094, 0.3899,  
0.5286

 73.2538, 0.2997,  
0.2882

 73.8646, 0.3021,  
0.2885

# Harmonies

## Analogous

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



63.9466, 0.3778, 0.3896



63.9466, 0.3467, 0.4002



63.9466, 0.3077, 0.3891

# Triad

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



63.9466, 0.3467, 0.4002



63.9466, 0.2396, 0.2869



63.9466, 0.3535, 0.3014

# Complementary

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



63.9466, 0.3467, 0.4002



36.3561, 0.2723, 0.2506

# Split Complementary

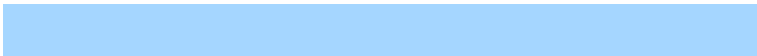
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.9466, 0.3139, 0.2777



63.9466, 0.3467, 0.4002



63.9466, 0.2499, 0.2683

# Square

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



63.9466, 0.3467, 0.4002



63.9466, 0.2472, 0.3194



63.9466, 0.2762, 0.2656



63.9466, 0.3827, 0.3321



# Rectangle

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



63.9466, 0.3467, 0.4002



63.9466, 0.2826, 0.3700



63.9466, 0.2762, 0.2656



63.9466, 0.3408, 0.2925

# Sweetspot

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



63.9494, 0.3467, 0.4002



98.1166, 0.3225, 0.3488



43.3718, 0.3704, 0.3402



20.9287, 0.3243, 0.3527



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

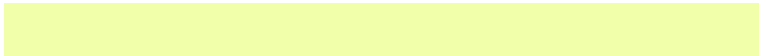


# Same Dimension

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



63.9494, 0.3467, 0.4002



93.1538, 0.3531, 0.4144



60.1999, 0.3242, 0.4056



14.4105, 0.3241, 0.3522



34.8561, 0.3904, 0.5282



2.1308, 0.3957, 0.5240



# Inverse Universe

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



36.3561, 0.2723, 0.2506



46.5859, 0.2628, 0.2330



39.8264, 0.2972, 0.2559



12.1070, 0.3007, 0.3051



3.1877, 0.1576, 0.0642

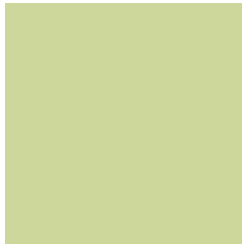


0.2236, 0.1724, 0.0723



# Previews

## White Background



This preview shows how the Yxy color 63.9466, 0.3467, 0.4002 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

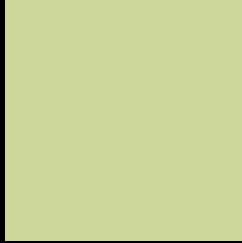
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.9466, 0.3467, 0.4002 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

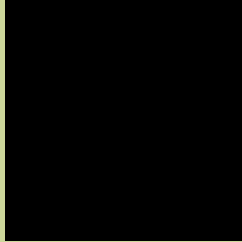
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

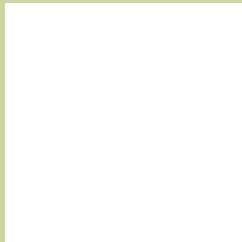
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.9466, 0.3467, 0.4002**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9466, 0.3467, 0.4002.



This preview shows how white text looks on a background with the Yxy color 63.9466, 0.3467, 0.4002.

# 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

63.9466, 0.3467, 0.4002

### Protanopia

63.8755, 0.3667, 0.3936

### Deuteranopia

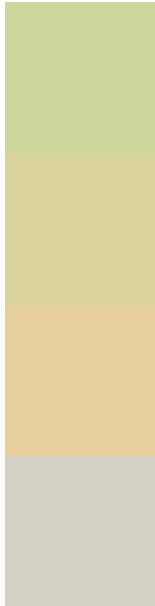
63.8347, 0.3824, 0.3752



## Tritanopia

63.7665, 0.3069, 0.3100

# Trichromacy



**Original Color**

63.9466, 0.3467, 0.4002

**Protanomaly**

63.7939, 0.3597, 0.3959

**Deuteranomaly**

63.5659, 0.3690, 0.3838

**Tritanomaly**

63.5270, 0.3220, 0.3417

# Monochromacy



**Original Color**

63.9466, 0.3467, 0.4002

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.1679, 0.3252, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9466, 0.3467, 0.4002 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, 215, 155)` looks like.

```
.text, #text, p{  
    color:rgb(205, 215, 155)  
}
```

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, 215, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 215, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9466, 0.3467, 0.4002 is called "border". The border property can be set on classes, ids or directly on the HTML element.

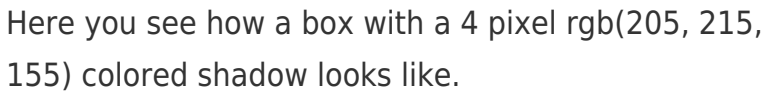
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 215, 155) }
```

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

```
.border{ border-color:rgb(205, 215, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 215, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 215, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 215, 155); box-shadow:4px 4px 4px 4px rgb(205, 215, 155) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9466, 0.3467, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 215, 155) }
```

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

```
.background{ background-color: rgb(205,  
215, 155) }
```

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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