

# Converting Colors

$Yxy(63.2922, 0.3740, 0.4558)$

Have a look what the booklet for  
Yxy(63.2922, 0.3740, 0.4558)  
contains.

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# Color

**Yxy(63.2650, 0.3737, 0.4558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAD96C
RGB	202, 217, 108
RGB Percent	79%, 85%, 42%
CMY	0.2080, 0.1490, 0.5765
CMYK	0.07, 0.00, 0.50, 0.15
HSL	68°, 59%, 64%
HSV	68°, 50%, 85%
XYZ	51.8695, 63.2650, 23.6654
YIQ	200.0890, 26.0490, -37.0790

# Conversions

## Conversions Part 2

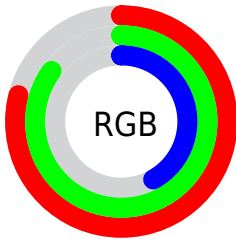
Format	Color
R <sub>YB</sub>	108, 217, 123
Decimal	13293932
CIE <sub>Lab</sub>	83.58, -20.63, 51.44
CIE <sub>LCh</sub>	84, 55.428, 111.856
Y <sub>xy</sub>	63.2650, 0.3737, 0.4558
Android (android.graphics.Color)	4291484012 (0xFFCAD96C)
YUV	200.0890, -45.3999, 1.6759
Hunter-Lab	79.5393, -22.7895, 38.0369

# Details

The Yxy color **63.2650, 0.3737, 0.4558** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.9518, 0.2283, 0.1748**, and the grayscale version is **58.0880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **32.2372, 0.3842, 0.4859** is the 20% darker color. If you saturate the color by 10%, you get **62.4480, 0.3827, 0.4775**, and if you desaturate by 10%, it is **64.2109, 0.3629, 0.4316**.

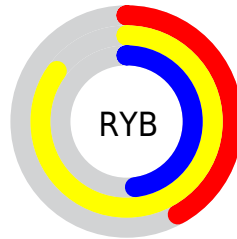
# Distribution



Red (79%)

Green (85%)

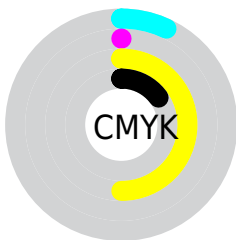
Blue (42%)



Red (42%)

Yellow (85%)

Blue (48%)

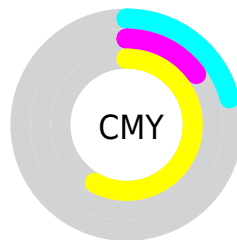


Cyan (7%)

Magenta (0%)

Yellow (50%)

Black (15%)



Cyan (21%)

Magenta (15%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2650, 0.3737, 0.4558 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 63.2650, 0.3737, 0.4558 by changing the saturation by 10% instead.





 63.2650, 0.3737,  
0.4558

 63.2650, 0.3737,  
0.4558


436.5306, 0.3477,  
0.3950


 46.0556, 0.3786,  
0.4697


 109.5517, 0.3654,  
0.4346

 32.2897, 0.3840,  
0.4866


 139.3979, 0.3619,  
0.4263

 21.5829, 0.3895,  
0.5075


 174.2251, 0.3589,  
0.4193

 13.5507, 0.3943,  
0.5334

 214.4177, 0.3561,  
0.4131

 7.8089, 0.3985,  
0.5686

260.3602, 0.3537,  
0.4077

 3.9729, 0.3923,  
0.6077

312.4369, 0.3515,

 1.6584, 0.3588,

0.4030

0.6412

371.0322, 0.3495,  
0.3988

0.3965, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.2650, 0.3737,  
0.4558

63.2650, 0.3737,  
0.4558

62.4480, 0.3827,  
0.4775

64.2109, 0.3629,  
0.4316

61.7425, 0.3895,  
0.4957


65.2848, 0.3510,  
0.4060

61.1413, 0.3938,  
0.5097

66.4969, 0.3384,  
0.3799


60.6327, 0.3954,  
0.5191


67.8537, 0.3256,  
0.3542

 60.2048, 0.3949,  
0.5246

 69.3614, 0.3130,  
0.3296

 71.0259, 0.3009,  
0.3063

 72.5319, 0.2925,  
0.2895

 73.0119, 0.2945,  
0.2897

 73.5004, 0.2965,  
0.2900

# Harmonies

## Analogous

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



63.2650, 0.4277, 0.4261



63.2650, 0.3737, 0.4558



63.2650, 0.3066, 0.4448

# Triad

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



63.2650, 0.3737, 0.4558



63.2650, 0.1905, 0.2572



63.2650, 0.3779, 0.2771

# Complementary

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



63.2650, 0.3737, 0.4558



19.9518, 0.2283, 0.1748

# 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.



63.2650, 0.3062, 0.2410



63.2650, 0.3737, 0.4558



63.2650, 0.2043, 0.2272

# Square

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



63.2650, 0.3737, 0.4558



63.2650, 0.2039, 0.3146



63.2650, 0.2440, 0.2230



63.2650, 0.4339, 0.3251



# Rectangle

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



63.2650, 0.3737, 0.4558



63.2650, 0.2636, 0.4108



63.2650, 0.2440, 0.2230



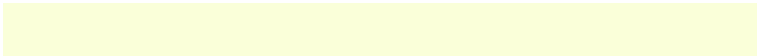
63.2650, 0.3543, 0.2634

# Sweetspot

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



63.2679, 0.3737, 0.4558



96.7888, 0.3318, 0.3668



29.8888, 0.4450, 0.3468



20.6287, 0.3346, 0.3722



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.



63.2679, 0.3737, 0.4558



89.9504, 0.3830, 0.4781



57.0100, 0.3315, 0.4757



15.1680, 0.3246, 0.3522



36.4734, 0.3953, 0.5243



2.3886, 0.3995, 0.5210



# Inverse Universe

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



19.9518, 0.2283, 0.1748



20.9430, 0.2080, 0.1406



25.0891, 0.2778, 0.1934



12.7030, 0.3002, 0.3050



3.2261, 0.1556, 0.0631



0.2374, 0.1679, 0.0699



# Previews

## White Background



This preview shows how the Yxy color 63.2650, 0.3737, 0.4558 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 63.2650, 0.3737, 0.4558 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

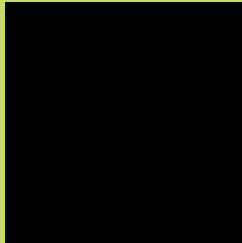
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.2650, 0.3737, 0.4558**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2650, 0.3737, 0.4558.



This preview shows how white text looks on a background with the Yxy color 63.2650, 0.3737, 0.4558.

# 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

63.2650, 0.3737, 0.4558

### Protanopia

62.9547, 0.4033, 0.4397

### Deuteranopia

62.8404, 0.4249, 0.4145



## Tritanopia

63.3302, 0.3090, 0.3111

# Trichromacy



**Original Color**

63.2650, 0.3737, 0.4558

**Protanomaly**

62.8448, 0.3927, 0.4454

**Deuteranomaly**

62.6432, 0.4063, 0.4292

**Tritanomaly**

62.5979, 0.3341, 0.3630

# Monochromacy



**Original Color**

63.2650, 0.3737, 0.4558

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

59.3501, 0.3369, 0.3764

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2650, 0.3737, 0.4558 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(202, 217, 108)` looks like.

```
.text, #text, p{  
    color:rgb(202, 217, 108)  
}
```

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(202, 217, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 217, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2650, 0.3737, 0.4558 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(202, 217, 108) }
```

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

```
.border{ border-color:rgb(202, 217, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 217, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 217, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 217, 108);  
box-shadow:4px 4px 4px 4px rgb(202, 217,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2650, 0.3737, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 217, 108) }
```

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

```
.background{ background-color: rgb(202,  
217, 108) }
```

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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