

# Converting Colors

$Yxy(62.3864, 0.3592, 0.4347)$

Have a look what the booklet for  
Yxy(62.3864, 0.3592, 0.4347)  
contains.

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# Color

**Yxy(62.1652, 0.3591, 0.4336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6D780
RGB	198, 215, 128
RGB Percent	78%, 84%, 50%
CMY	0.2236, 0.1568, 0.4979
CMYK	0.08, 0.00, 0.40, 0.16
HSL	72°, 52%, 67%
HSV	72°, 40%, 84%
XYZ	51.4841, 62.1652, 29.7206
YIQ	199.9990, 17.7950, -30.6610

# Conversions

## Conversions Part 2

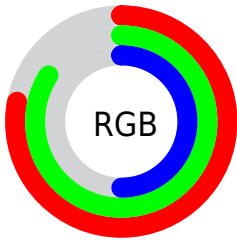
Format	Color
R <sub>YB</sub>	128, 215, 145
Decimal	13031296
CIE Lab	83.00, -19.15, 40.96
CIE LCh	83, 45.210, 115.057
Yxy	62.1652, 0.3591, 0.4336
Android (android.graphics.Color)	4291221376 (0xFFC6D780)
YUV	199.9990, -35.4955, -1.7531
Hunter-Lab	78.8449, -21.4217, 32.8421

# Details

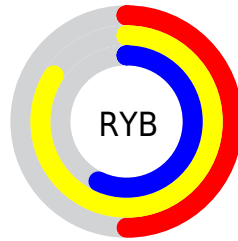
The Yxy color **62.1652, 0.3591, 0.4336** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.3811, 0.2519, 0.2097**, and the grayscale version is **57.9747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **31.5171, 0.3683, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **61.0963, 0.3688, 0.4587**, and if you desaturate by 10%, it is **63.3756, 0.3482, 0.4073**.

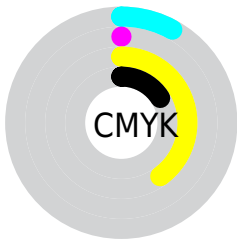
# Distribution



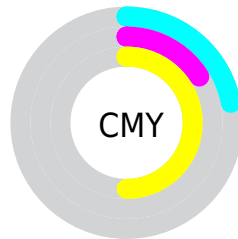
- Red (78%)
- Green (84%)
- Blue (50%)



- Red (50%)
- Yellow (84%)
- Blue (57%)



- Cyan (8%)
- Magenta (0%)
- Yellow (40%)
- Black (16%)




- Cyan (22%)
- Magenta (16%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1652, 0.3591, 0.4336 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 62.1652, 0.3591, 0.4336 by changing the saturation by 10% instead.



 62.1652, 0.3591,  
0.4336


 62.1652, 0.3591,  
0.4336


432.5334, 0.3387,  
0.3827

 45.1662, 0.3632,  
0.4456


 107.9643, 0.3524,  
0.4156

 31.5884, 0.3680,  
0.4605

 137.5331, 0.3497,  
0.4087

 21.0473, 0.3733,  
0.4795


 172.0607, 0.3473,  
0.4028

 13.1586, 0.3789,  
0.5041

211.9314, 0.3452,  
0.3977

 7.5378, 0.3835,  
0.5366

257.5296, 0.3433,  
0.3932

 3.8007, 0.3981,  
0.6019

309.2398, 0.3416,

 1.5627, 0.3660,

0.3893

0.6340

367.4462, 0.3401,  
0.3858

0.3323, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.1652, 0.3591,  
0.4336

62.1652, 0.3591,  
0.4336

61.0963, 0.3688,  
0.4587

63.3756, 0.3482,  
0.4073

60.1527, 0.3767,  
0.4814


64.7261, 0.3367,  
0.3808

59.3285, 0.3824,  
0.5007


66.2261, 0.3249,  
0.3549

58.6140, 0.3856,  
0.5159

67.8819, 0.3132,  
0.3301


 57.9973, 0.3862,  
0.5264

 69.6990, 0.3020,  
0.3068

 57.4799, 0.3848,  
0.5327

 71.5506, 0.2926,  
0.2874

 72.2284, 0.2955,  
0.2877

 72.9230, 0.2983,  
0.2881

 73.6345, 0.3012,  
0.2884

# Harmonies

## Analogous

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



62.1652, 0.4051, 0.4148



62.1652, 0.3591, 0.4336



62.1652, 0.3030, 0.4187

# Triad

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



62.1652, 0.3591, 0.4336



62.1652, 0.2100, 0.2666



62.1652, 0.3723, 0.2899

# Complementary

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



62.1652, 0.3591, 0.4336



26.3811, 0.2519, 0.2097

# 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.



62.1652, 0.3142, 0.2575



62.1652, 0.3591, 0.4336



62.1652, 0.2243, 0.2425

# Square

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



62.1652, 0.3591, 0.4336



62.1652, 0.2194, 0.3125



62.1652, 0.2606, 0.2404



62.1652, 0.4152, 0.3319



# Rectangle

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



62.1652, 0.3591, 0.4336



62.1652, 0.2677, 0.3894



62.1652, 0.2606, 0.2404



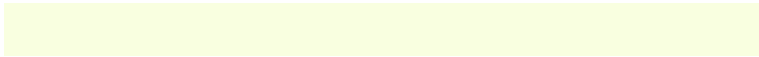
62.1652, 0.3536, 0.2777

# Sweetspot

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



62.1680, 0.3591, 0.4336



97.0651, 0.3268, 0.3591



35.9495, 0.4067, 0.3490



20.7119, 0.3284, 0.3625



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.



62.1680, 0.3591, 0.4336



90.0455, 0.3679, 0.4563



57.1906, 0.3261, 0.4458



14.3915, 0.3237, 0.3522



34.4218, 0.3853, 0.5323



2.1083, 0.3915, 0.5273



# Inverse Universe

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



26.3811, 0.2519, 0.2097



30.1187, 0.2350, 0.1794



30.9794, 0.2906, 0.2217



12.1246, 0.3011, 0.3051



3.2653, 0.1599, 0.0654



0.2318, 0.1761, 0.0744



# Previews

## White Background



This preview shows how the Yxy color 62.1652, 0.3591, 0.4336 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 62.1652, 0.3591, 0.4336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

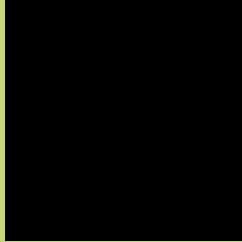
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.1652, 0.3591, 0.4336**

## Background



This preview shows how black text looks on a background with the Yxy color 62.1652, 0.3591, 0.4336.



This preview shows how white text looks on a background with the Yxy color 62.1652, 0.3591, 0.4336.

# 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

62.1652, 0.3591, 0.4336

### Protanopia

61.7920, 0.3880, 0.4196

### Deuteranopia

61.7382, 0.4068, 0.3974



## Tritanopia

61.9083, 0.3053, 0.3108

# Trichromacy



**Original Color**

62.1652, 0.3591, 0.4336

**Protanomaly**

61.7062, 0.3776, 0.4245

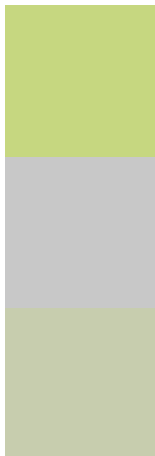
**Deuteranomaly**

61.6474, 0.3881, 0.4102

**Tritanomaly**

61.6787, 0.3253, 0.3538

# Monochromacy



**Original Color**

62.1652, 0.3591, 0.4336

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

58.8607, 0.3304, 0.3667

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.1652, 0.3591, 0.4336 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(198, 215, 128)` looks like.

```
.text, #text, p{  
    color:rgb(198, 215, 128)  
}
```

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(198, 215, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 215, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1652, 0.3591, 0.4336 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(198, 215, 128) }
```

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

```
.border{ border-color:rgb(198, 215, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 215, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 215, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 215, 128);  
box-shadow:4px 4px 4px 4px rgb(198, 215,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1652, 0.3591, 0.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 215, 128) }
```

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

```
.background{ background-color: rgb(198,  
215, 128) }
```

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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