

# Converting Colors

$Yxy(64.2258, 0.3465, 0.4166)$

Have a look what the booklet for  
Yxy(64.2258, 0.3465, 0.4166)  
contains.

<b>Yxy(64.1929, 0.3472, 0.4168)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.1929, 0.3472, 0.4168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6DA91
RGB	198, 218, 145
RGB Percent	78%, 85%, 57%
CMY	0.2234, 0.1451, 0.4315
CMYK	0.09, 0.00, 0.34, 0.15
HSL	76°, 50%, 71%
HSV	76°, 34%, 85%
XYZ	53.4735, 64.1929, 36.3472
YIQ	203.6980, 11.5130, -26.9430

# Conversions

## Conversions Part 2

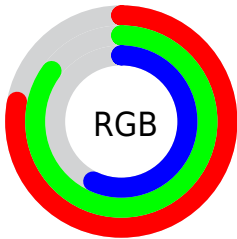
Format	Color
<a href="#">RYB</a>	<a href="#">145, 218, 165</a>
Decimal	<a href="#">13032081</a>
CIELab	<a href="#">84.07, -18.55, 33.79</a>
CIELCh	<a href="#">84, 38.547, 118.772</a>
Yxy	<a href="#">64.1929, 0.3472, 0.4168</a>
Android (android.graphics.Color)	<a href="#">4291222161</a> ( <a href="#">0xFFC6DA91</a> )
YUV	<a href="#">203.6980, -28.9381, -4.9971</a>
Hunter-Lab	<a href="#">80.1205, -21.0774, 29.1870</a>

# Details

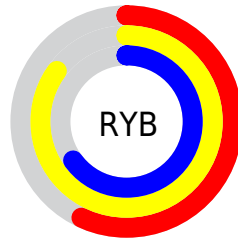
The Yxy color **64.1929, 0.3472, 0.4168** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.2974, 0.2690, 0.2340**, and the grayscale version is **60.3658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **32.8422, 0.3534, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **62.7920, 0.3564, 0.4439**, and if you desaturate by 10%, it is **65.7604, 0.3372, 0.3895**.

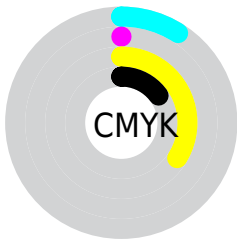
# Distribution



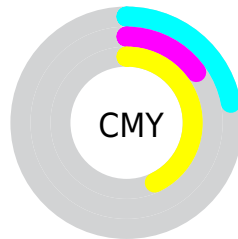
- Red (78%)
- Green (85%)
- Blue (57%)



- Red (57%)
- Yellow (85%)
- Blue (65%)



- Cyan (9%)
- Magenta (0%)
- Yellow (34%)
- Black (15%)




- Cyan (22%)
- Magenta (15%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1929, 0.3472, 0.4168 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 64.1929, 0.3472, 0.4168 by changing the saturation by 10% instead.




 64.1929, 0.3472,  
0.4168

 64.1929, 0.3472,  
0.4168


439.8859, 0.3320,  
0.3741

 46.8069, 0.3504,  
0.4270


 110.8887, 0.3421,  
0.4016

 32.8831, 0.3541,  
0.4397


 140.9673, 0.3401,  
0.3958

 22.0369, 0.3584,  
0.4560


176.0456, 0.3383,  
0.3909

 13.8840, 0.3632,  
0.4777

216.5080, 0.3367,  
0.3866

 8.0400, 0.3682,  
0.5073

262.7388, 0.3353,  
0.3829

 4.1206, 0.3741,  
0.5535

315.1224, 0.3341,

 1.7412, 0.3742,

0.3796

0.6258

374.0433, 0.3330,  
0.3767

0.4501, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.1929, 0.3472,  
0.4168

64.1929, 0.3472,  
0.4168

62.7920, 0.3564,  
0.4439

65.7604, 0.3372,  
0.3895

61.5415, 0.3641,  
0.4697


67.4932, 0.3268,  
0.3629


60.4355, 0.3700,  
0.4931

69.4008, 0.3163,  
0.3375


59.4647, 0.3736,  
0.5128


71.4894, 0.3061,  
0.3138


 58.6181, 0.3746,  
0.5281

 73.7651, 0.2964,  
0.2919


 57.8824, 0.3732,  
0.5386

 74.8226, 0.2998,  
0.2914

 57.4498, 0.3712,  
0.5434

 75.8479, 0.3039,  
0.2918

 76.9074, 0.3080,  
0.2923

 78.0016, 0.3121,  
0.2928

# Harmonies

## Analogous

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



64.1929, 0.3877, 0.4055



64.1929, 0.3472, 0.4168



64.1929, 0.2993, 0.3998

# Triad

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



64.1929, 0.3472, 0.4168



64.1929, 0.2250, 0.2729



64.1929, 0.3686, 0.3000

# Complementary

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



64.1929, 0.3472, 0.4168



33.2974, 0.2690, 0.2340

# Split Complementary

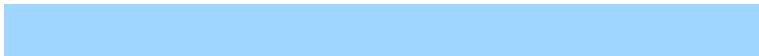
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.1929, 0.3206, 0.2704



64.1929, 0.3472, 0.4168



64.1929, 0.2399, 0.2539

# Square

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



64.1929, 0.3472, 0.4168



64.1929, 0.2309, 0.3102



64.1929, 0.2737, 0.2538



64.1929, 0.4019, 0.3372



# Rectangle

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



64.1929, 0.3472, 0.4168



64.1929, 0.2699, 0.3739



64.1929, 0.2737, 0.2538



64.1929, 0.3534, 0.2890

# Sweetspot

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



64.1957, 0.3472, 0.4168



97.1661, 0.3232, 0.3541



43.6595, 0.3829, 0.3528



20.7167, 0.3247, 0.3577



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

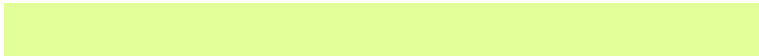


# Same Dimension

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



64.1957, 0.3472, 0.4168



90.1668, 0.3536, 0.4354



59.8693, 0.3199, 0.4249



15.0755, 0.3225, 0.3524



34.4739, 0.3719, 0.5429



2.2752, 0.3800, 0.5365



# Inverse Universe

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



33.2974, 0.2690, 0.2340



39.8143, 0.2578, 0.2117



37.7157, 0.3009, 0.2422



12.7887, 0.3023, 0.3051



3.6473, 0.1674, 0.0696

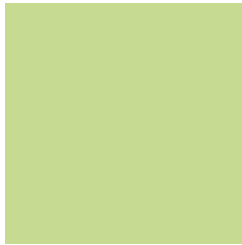


0.2787, 0.1847, 0.0791



# Previews

## White Background



This preview shows how the Yxy color 64.1929, 0.3472, 0.4168 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 64.1929, 0.3472, 0.4168 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 64.1929, 0.3472, 0.4168**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1929, 0.3472, 0.4168.



This preview shows how white text looks on a background with the Yxy color 64.1929, 0.3472, 0.4168.

# 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

64.1929, 0.3472, 0.4168

### Protanopia

63.8549, 0.3763, 0.4053

### Deuteranopia

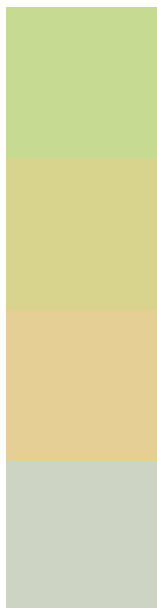
63.6182, 0.3923, 0.3831



## Tritanopia

64.1033, 0.3019, 0.3099

# Trichromacy



**Original Color**

64.1929, 0.3472, 0.4168

**Protanomaly**

63.6389, 0.3655, 0.4099

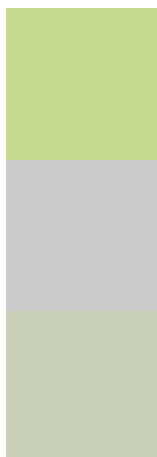
**Deuteranomaly**

63.5868, 0.3745, 0.3950

**Tritanomaly**

64.0516, 0.3185, 0.3477

# Monochromacy



**Original Color**

64.1929, 0.3472, 0.4168

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

61.5764, 0.3257, 0.3600

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1929, 0.3472, 0.4168 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, 218, 145)` looks like.

```
.text, #text, p{  
    color:rgb(198, 218, 145)  
}
```

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, 218, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 218, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1929, 0.3472, 0.4168 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, 218, 145) }
```

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

```
.border{ border-color:rgb(198, 218, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 218, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 218, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 218, 145);  
box-shadow:4px 4px 4px 4px rgb(198, 218,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1929, 0.3472, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 218, 145) }
```

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

```
.background{ background-color: rgb(198,  
218, 145) }
```

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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