

# Converting Colors

$Yxy(60.8591, 0.3432, 0.4159)$

Have a look what the booklet for  
Yxy(60.8591, 0.3432, 0.4159)  
contains.

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# Color

**Yxy(61.0235, 0.3432, 0.4169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BED68F
RGB	190, 214, 143
RGB Percent	75%, 84%, 56%
CMY	0.2550, 0.1607, 0.4392
CMYK	0.11, 0.00, 0.33, 0.16
HSL	80°, 46%, 70%
HSV	80°, 33%, 84%
XYZ	50.2357, 61.0235, 35.1152
YIQ	198.7300, 8.4870, -27.1690

# Conversions

## Conversions Part 2

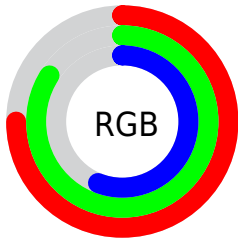
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 214, 167
Decimal	12506767
CIELab	82.39, -19.84, 32.49
CIELCh	82, 38.066, 121.413
Yxy	61.0235, 0.3432, 0.4169
Android (android.graphics.Color)	4290696847 (0xFFBED68F)
YUV	198.7300, -27.4749, -7.6562
Hunter-Lab	78.1175, -21.9162, 28.0304

# Details

The Yxy color **61.0235, 0.3432, 0.4169** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.7177, 0.2735, 0.2361**, and the grayscale version is **57.1061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3254, 0.3418, 0.3870**, and **30.8032, 0.3494, 0.4396** is the 20% darker color. If you saturate the color by 10%, you get **59.5289, 0.3512, 0.4448**, and if you desaturate by 10%, it is **62.6935, 0.3343, 0.3891**.

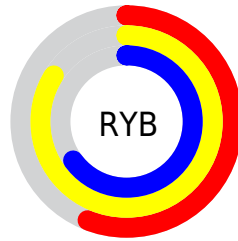
# Distribution



Red (75%)

Green (84%)

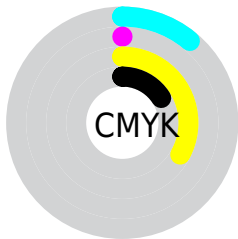
Blue (56%)



Red (56%)

Yellow (84%)

Blue (65%)

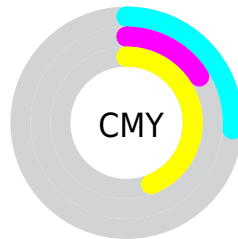


Cyan (11%)

Magenta (0%)

Yellow (33%)

Black (16%)



Cyan (26%)

Magenta (16%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0235, 0.3432, 0.4169 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 61.0235, 0.3432, 0.4169 by changing the saturation by 10% instead.




 61.0235, 0.3432,  
0.4169


 61.0235, 0.3432,  
0.4169

428.3602, 0.3298,  
0.3737

 44.2441, 0.3460,  
0.4274

 106.3130, 0.3387,  
0.4014

 30.8625, 0.3492,  
0.4405


 135.5918, 0.3369,  
0.3955

 20.4942, 0.3529,  
0.4576


169.8060, 0.3354,  
0.3905

 12.7548, 0.3570,  
0.4805

209.3399, 0.3340,  
0.3862

 7.2599, 0.3607,  
0.5123

254.5778, 0.3327,  
0.3825

 3.6252, 0.3669,  
0.5663

305.9043, 0.3316,

 1.4662, 0.3585,

0.3792

0.6415

363.7036, 0.3306,  
0.3763

0.2647, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.0235, 0.3432,  
0.4169

61.0235, 0.3432,  
0.4169

59.5289, 0.3512,  
0.4448

62.6935, 0.3343,  
0.3891

58.1939, 0.3579,  
0.4718

64.5381, 0.3250,  
0.3622

57.0129, 0.3627,  
0.4965

66.5666, 0.3157,  
0.3367

55.9763, 0.3653,  
0.5177

68.7852, 0.3065,  
0.3131

■ 55.0735, 0.3654,  
0.5345

■ 71.2001, 0.2977,  
0.2915

■ 54.2915, 0.3630,  
0.5463

■ 72.7147, 0.2995,  
0.2872

■ 53.8134, 0.3604,  
0.5520

■ 73.9617, 0.3045,  
0.2878

■ 75.2593, 0.3096,  
0.2884

■ 76.5785, 0.3146,  
0.2891

# Harmonies

## Analogous

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



61.0235, 0.3850, 0.4078



61.0235, 0.3432, 0.4169



61.0235, 0.2951, 0.3972

# Triad

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



61.0235, 0.3432, 0.4169



61.0235, 0.2251, 0.2702



61.0235, 0.3726, 0.3030

# Complementary

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



61.0235, 0.3432, 0.4169



32.7177, 0.2735, 0.2361

# Split Complementary

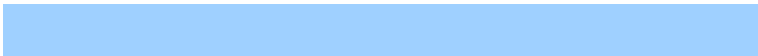
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.0235, 0.3250, 0.2723



61.0235, 0.3432, 0.4169



61.0235, 0.2419, 0.2528

# Square

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



61.0235, 0.3432, 0.4169



61.0235, 0.2292, 0.3062



61.0235, 0.2773, 0.2543



61.0235, 0.4040, 0.3406



# Rectangle

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



61.0235, 0.3432, 0.4169



61.0235, 0.2662, 0.3701



61.0235, 0.2773, 0.2543



61.0235, 0.3578, 0.2917

# Sweetspot

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



61.0262, 0.3432, 0.4169



96.8652, 0.3221, 0.3541



43.7966, 0.3800, 0.3583



20.6437, 0.3235, 0.3578



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

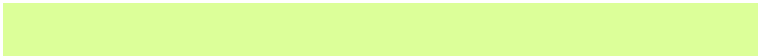


# Same Dimension

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



61.0262, 0.3432, 0.4169



89.1114, 0.3491, 0.4371



57.0335, 0.3164, 0.4247



14.2998, 0.3215, 0.3524



32.5824, 0.3613, 0.5513



2.0099, 0.3715, 0.5432



# Inverse Universe

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



32.7177, 0.2735, 0.2361



40.6323, 0.2628, 0.2133



37.0803, 0.3055, 0.2443



12.2109, 0.3034, 0.3053



3.8285, 0.1757, 0.0742

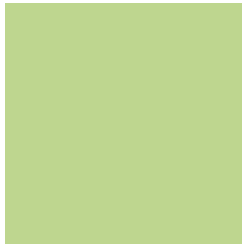


0.2758, 0.1952, 0.0849



# Previews

## White Background



This preview shows how the Yxy color 61.0235, 0.3432, 0.4169 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 61.0235, 0.3432, 0.4169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

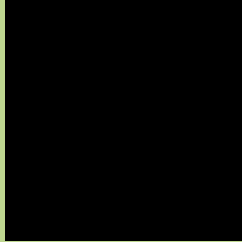
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.0235, 0.3432, 0.4169**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0235, 0.3432, 0.4169.



This preview shows how white text looks on a background with the Yxy color 61.0235, 0.3432, 0.4169.

# 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

61.0235, 0.3432, 0.4169

### Protanopia

61.0563, 0.3752, 0.4046

### Deuteranopia

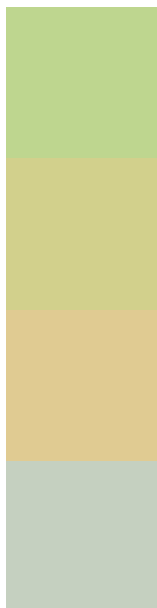
60.6411, 0.3906, 0.3822



## Tritanopia

60.7705, 0.2994, 0.3105

# Trichromacy



## Original Color

61.0235, 0.3432, 0.4169

## Protanomaly

60.7068, 0.3633, 0.4095

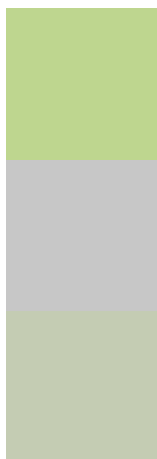
## Deuteranomaly

60.6345, 0.3725, 0.3942

## Tritanomaly

60.7878, 0.3156, 0.3482

# Monochromacy



## Original Color

61.0235, 0.3432, 0.4169

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

58.1762, 0.3245, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0235, 0.3432, 0.4169 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(190, 214, 143)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 214, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 214, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0235, 0.3432, 0.4169 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(190, 214, 143) }
```

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

```
.border{ border-color:rgb(190, 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(190, 214, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 214, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 214, 143);  
box-shadow:4px 4px 4px 4px rgb(190, 214,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0235, 0.3432, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 214, 143) }
```

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

```
.background{ background-color: rgb(190,  
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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