

# Converting Colors

$Yxy(60.7988, 0.3577, 0.4211)$

Have a look what the booklet for  
Yxy(60.7988, 0.3577, 0.4211)  
contains.

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# Color

**Yxy(60.6172, 0.3575, 0.4209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8D387
RGB	200, 211, 135
RGB Percent	78%, 83%, 53%
CMY	0.2157, 0.1725, 0.4705
CMYK	0.05, 0.00, 0.36, 0.17
HSL	69°, 46%, 68%
HSV	69°, 36%, 83%
XYZ	51.4865, 60.6172, 31.9144
YIQ	199.0470, 17.8400, -25.9680

# Conversions

## Conversions Part 2

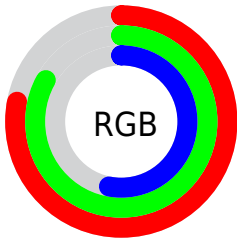
Format	Color
R <sub>YB</sub>	135, 211, 146
Decimal	13161351
CIE Lab	82.17, -15.57, 36.41
CIE LCh	82, 39.599, 113.152
Yxy	60.6172, 0.3575, 0.4209
Android (android.graphics.Color)	4291351431 (0xFFC8D387)
YUV	199.0470, -31.5752, 0.8358
Hunter-Lab	77.8570, -18.2087, 30.1964

# Details

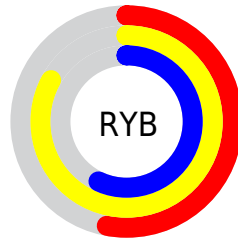
The Yxy color  $60.6172, 0.3575, 0.4209$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $28.1505, 0.2566, 0.2238$ , and the grayscale version is  $57.3339, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.4541, 0.3520, 0.3939$ , and  $30.7738, 0.3666, 0.4453$  is the 20% darker color. If you saturate the color by 10%, you get  $59.6663, 0.3687, 0.4459$ , and if you desaturate by 10%, it is  $61.6998, 0.3453, 0.3950$ .

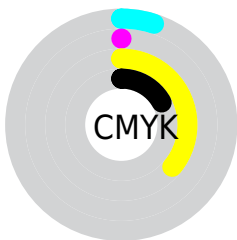
# Distribution



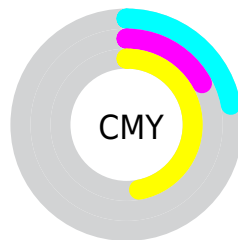
- Red (78%)
- Green (83%)
- Blue (53%)



- Red (53%)
- Yellow (83%)
- Blue (57%)



- Cyan (5%)
- Magenta (0%)
- Yellow (36%)
- Black (17%)




- Cyan (22%)
- Magenta (17%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.6172, 0.3575, 0.4209 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 60.6172, 0.3575, 0.4209 by changing the saturation by 10% instead.



 60.6172, 0.3575,  
0.4209


 60.6172, 0.3575,  
0.4209


426.8690, 0.3373,  
0.3761

 43.9163, 0.3618,  
0.4315


 105.7245, 0.3507,  
0.4050

 30.6047, 0.3669,  
0.4448


 134.8996, 0.3480,  
0.3989

 20.2980, 0.3728,  
0.4618


 169.0017, 0.3456,  
0.3937

 12.6119, 0.3796,  
0.4841

208.4150, 0.3436,  
0.3892

 7.1618, 0.3867,  
0.5141

253.5240, 0.3417,  
0.3853

 3.5635, 0.4051,  
0.5744

304.7131, 0.3401,

 1.4325, 0.3864,

0.3819

0.6136

362.3666, 0.3386,  
0.3788

■ 0.2405, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.6172, 0.3575,  
0.4209

■ 60.6172, 0.3575,  
0.4209

■ 59.6663, 0.3687,  
0.4459

■ 61.6998, 0.3453,  
0.3950

■ 58.8318, 0.3784,  
0.4689


■ 62.9123, 0.3327,  
0.3690


■ 58.1088, 0.3861,  
0.4888


■ 64.2635, 0.3201,  
0.3437


■ 57.4883, 0.3913,  
0.5048

■ 65.7590, 0.3079,  
0.3196


 56.9603, 0.3939,  
0.5163

 67.4041, 0.2962,  
0.2970

 56.5120, 0.3941,  
0.5234

 68.7699, 0.2892,  
0.2826

 56.3461, 0.3938,  
0.5255

 69.2468, 0.2913,  
0.2829

 69.7323, 0.2933,  
0.2832

 70.2267, 0.2954,  
0.2835

# Harmonies

## Analogous

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



60.6172, 0.3970, 0.4040



60.6172, 0.3575, 0.4209



60.6172, 0.3079, 0.4091

# Triad

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



60.6172, 0.3575, 0.4209



60.6172, 0.2207, 0.2761



60.6172, 0.3625, 0.2921

# Complementary

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



60.6172, 0.3575, 0.4209



28.1505, 0.2566, 0.2238

# 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.



60.6172, 0.3111, 0.2635



60.6172, 0.3575, 0.4209



60.6172, 0.2323, 0.2528

# Square

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



60.6172, 0.3575, 0.4209



60.6172, 0.2308, 0.3181



60.6172, 0.2640, 0.2492



60.6172, 0.4015, 0.3297



# Rectangle

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



60.6172, 0.3575, 0.4209



60.6172, 0.2760, 0.3847



60.6172, 0.2640, 0.2492



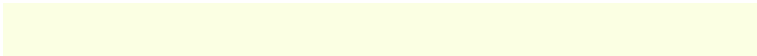
60.6172, 0.3458, 0.2813

# Sweetspot

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



60.6199, 0.3575, 0.4209



97.5604, 0.3266, 0.3565



35.8964, 0.3943, 0.3420



20.8216, 0.3283, 0.3599



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.



60.6199, 0.3575, 0.4209



91.9447, 0.3660, 0.4397



56.1154, 0.3279, 0.4304



13.7072, 0.3244, 0.3521



34.0372, 0.3942, 0.5252



1.9274, 0.3991, 0.5213



# Inverse Universe

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



28.1505, 0.2566, 0.2238



35.1801, 0.2424, 0.1984



32.1216, 0.2901, 0.2330



11.4987, 0.3004, 0.3051



3.0374, 0.1562, 0.0634

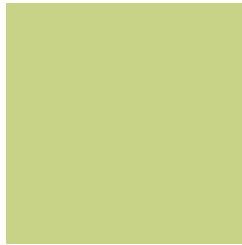


0.1969, 0.1705, 0.0713



# Previews

## White Background



This preview shows how the Yxy color 60.6172, 0.3575, 0.4209 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 60.6172, 0.3575, 0.4209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

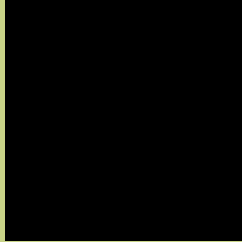
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.6172, 0.3575, 0.4209**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.6172, 0.3575, 0.4209.



This preview shows how white text looks on a background with the Yxy color 60.6172, 0.3575, 0.4209.

# 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

60.6172, 0.3575, 0.4209

### Protanopia

60.3813, 0.3807, 0.4113

### Deuteranopia

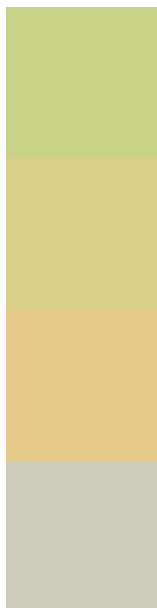
60.0983, 0.3990, 0.3905



## Tritanopia

60.4847, 0.3082, 0.3108

# Trichromacy



## Original Color

60.6172, 0.3575, 0.4209

## Protanomaly

60.6152, 0.3720, 0.4154

## Deuteranomaly

60.0734, 0.3834, 0.4013

## Tritanomaly

60.3723, 0.3264, 0.3503

# Monochromacy



## Original Color

60.6172, 0.3575, 0.4209

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

57.9886, 0.3292, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.6172, 0.3575, 0.4209 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(200, 211, 135)` looks like.

```
.text, #text, p{  
    color:rgb(200, 211, 135)  
}
```

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(200, 211, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 211, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 60.6172, 0.3575, 0.4209 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(200, 211, 135) }
```

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

```
.border{ border-color:rgb(200, 211, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 211, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 211, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 211, 135);  
box-shadow:4px 4px 4px 4px rgb(200, 211,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.6172, 0.3575, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 211, 135) }
```

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

```
.background{ background-color: rgb(200,  
211, 135) }
```

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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