

# Converting Colors

$Y_{xy}(60.1020, 0.3227, 0.3791)$

Have a look what the booklet for  
Yxy(60.1020, 0.3227, 0.3791)  
contains.

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# Color

**Yxy(60.0936, 0.3223, 0.3787)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBD3AB
RGB	187, 211, 171
RGB Percent	73%, 83%, 67%
CMY	0.2666, 0.1726, 0.3293
CMYK	0.11, 0.00, 0.19, 0.17
HSL	96°, 31%, 75%
HSV	96°, 19%, 83%
XYZ	51.1438, 60.0936, 47.4465
YIQ	199.2640, -1.4640, -17.5280

# Conversions

## Conversions Part 2

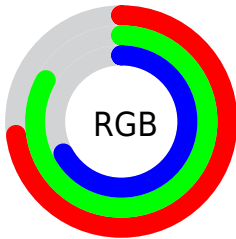
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">171, 211, 195</a>
Decimal	<a href="#">12309419</a>
CIELab	<a href="#">81.89, -15.25, 17.15</a>
CIELCh	<a href="#">82, 22.949, 131.656</a>
Yxy	<a href="#">60.0936, 0.3223, 0.3787</a>
Android (android.graphics.Color)	<a href="#">4290499499 (0xFFBBD3AB)</a>
YUV	<a href="#">199.2640, -13.9342, -10.7555</a>
Hunter-Lab	<a href="#">77.5201, -17.8948, 17.9753</a>

# Details

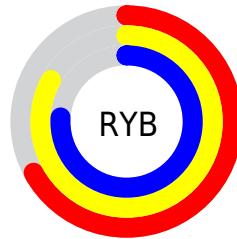
The Yxy color **60.0936, 0.3223, 0.3787** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.4443, 0.3013, 0.2803**, and the grayscale version is **57.3752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0657, 0.3220, 0.3578**, and **30.1772, 0.3245, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **57.8273, 0.3269, 0.4081**, and if you desaturate by 10%, it is **62.6343, 0.3173, 0.3514**.

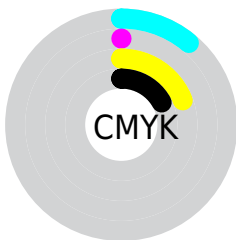
# Distribution



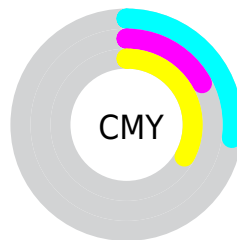
- Red (73%)
- Green (83%)
- Blue (67%)



- Red (67%)
- Yellow (83%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (19%)
- Black (17%)



- Cyan (27%)
- Magenta (17%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0936, 0.3223, 0.3787 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 60.0936, 0.3223, 0.3787 by changing the saturation by 10% instead.



■ 60.0936, 0.3223,  
0.3787

■ 60.0936, 0.3223,  
0.3787

424.9427, 0.3181,  
0.3543

■ 43.4941, 0.3232,  
0.3847

■ 104.9654, 0.3209,  
0.3699

■ 30.2730, 0.3243,  
0.3922

134.0065, 0.3203,  
0.3666

■ 20.0459, 0.3255,  
0.4022

167.9636, 0.3198,  
0.3638

■ 12.4284, 0.3270,  
0.4158

207.2211, 0.3194,  
0.3613

■ 7.0361, 0.3287,  
0.4354

252.1634, 0.3190,  
0.3592

■ 3.4847, 0.3302,  
0.4662

303.1748, 0.3186,

■ 1.3897, 0.3512,

0.3574

0.5552

360.6398, 0.3183,  
0.3557

0.2091, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.0936, 0.3223,  
0.3787

60.0936, 0.3223,  
0.3787

57.8273, 0.3269,  
0.4081

62.6343, 0.3173,  
0.3514

55.8180, 0.3309,  
0.4389

65.4508, 0.3122,  
0.3265

54.0578, 0.3339,  
0.4702

68.5544, 0.3071,  
0.3040

52.5358, 0.3355,  
0.5005

71.9256, 0.3025,  
0.2844

■ 51.2396, 0.3353,  
0.5281

■ 74.1904, 0.3114,  
0.2856

■ 50.1561, 0.3332,  
0.5513

■ 75.0677, 0.3147,  
0.2861

■ 49.2698, 0.3293,  
0.5687

■ 48.5586, 0.3241,  
0.5802

■ 48.4909, 0.3235,  
0.5813

# Harmonies

## Analogous

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



60.0936, 0.3498, 0.3804



60.0936, 0.3223, 0.3787



60.0936, 0.2931, 0.3616

# Triad

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



60.0936, 0.3223, 0.3787



60.0936, 0.2601, 0.2882



60.0936, 0.3569, 0.3213

# Complementary

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



60.0936, 0.3223, 0.3787



45.4443, 0.3013, 0.2803

# 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.



60.0936, 0.3310, 0.2994



60.0936, 0.3223, 0.3787



60.0936, 0.2754, 0.2804

# Square

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



60.0936, 0.3223, 0.3787



60.0936, 0.2582, 0.3076



60.0936, 0.3010, 0.2847



60.0936, 0.3706, 0.3459



# Rectangle

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



60.0936, 0.3223, 0.3787



60.0936, 0.2766, 0.3442



60.0936, 0.3010, 0.2847



60.0936, 0.3492, 0.3135

# Sweetspot

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



60.0962, 0.3223, 0.3787



97.3537, 0.3158, 0.3440



55.8254, 0.3443, 0.3577



20.7781, 0.3162, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

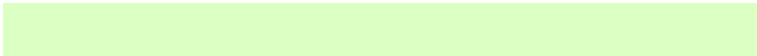


# Same Dimension

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



60.0962, 0.3223, 0.3787



90.7075, 0.3244, 0.3911



58.3454, 0.3076, 0.3752



13.4337, 0.3175, 0.3526



29.3208, 0.3246, 0.5805



1.6851, 0.3393, 0.5688



# Inverse Universe

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



45.4443, 0.3013, 0.2803



63.9369, 0.2981, 0.2685



47.4913, 0.3182, 0.2868



11.7634, 0.3075, 0.3056



5.6039, 0.2238, 0.1006



0.3588, 0.2414, 0.1104



# Previews

## White Background



This preview shows how the Yxy color 60.0936, 0.3223, 0.3787 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 60.0936, 0.3223, 0.3787 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

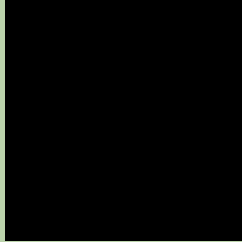
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.0936, 0.3223, 0.3787**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.0936, 0.3223, 0.3787.



This preview shows how white text looks on a background with the Yxy color 60.0936, 0.3223, 0.3787.

# 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

60.0936, 0.3223, 0.3787

### Protanopia

59.9490, 0.3490, 0.3713

### Deuteranopia

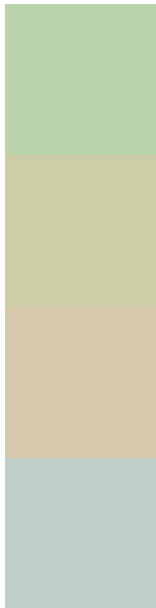
59.8595, 0.3604, 0.3537



## Tritanopia

59.9551, 0.2950, 0.3102

# Trichromacy



## Original Color

60.0936, 0.3223, 0.3787

## Protanomaly

59.9489, 0.3394, 0.3746

## Deuteranomaly

59.3893, 0.3457, 0.3618

## Tritanomaly

60.0964, 0.3050, 0.3350

# Monochromacy



## Original Color

60.0936, 0.3223, 0.3787

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

57.9881, 0.3166, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.0936, 0.3223, 0.3787 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(187, 211, 171)` looks like.

```
.text, #text, p{  
    color:rgb(187, 211, 171)  
}
```

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(187, 211, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 211, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 60.0936, 0.3223, 0.3787 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(187, 211, 171) }
```

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

```
.border{ border-color:rgb(187, 211, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 211, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 211, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 211, 171);  
box-shadow:4px 4px 4px 4px rgb(187, 211,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.0936, 0.3223, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 211, 171) }
```

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

```
.background{ background-color: rgb(187,  
211, 171) }
```

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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