

# Converting Colors

$Yxy(57.5768, 0.3234, 0.3922)$

Have a look what the booklet for  
Yxy(57.5768, 0.3234, 0.3922)  
contains.

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# Color

**Yxy(57.6040, 0.3232, 0.3919)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2D1A0
RGB	178, 209, 160
RGB Percent	70%, 82%, 63%
CMY	0.3020, 0.1804, 0.3725
CMYK	0.15, 0.00, 0.23, 0.18
HSL	98°, 35%, 72%
HSV	98°, 23%, 82%
XYZ	47.5060, 57.6040, 41.8764
YIQ	194.1450, -2.7470, -21.8110

# Conversions

## Conversions Part 2

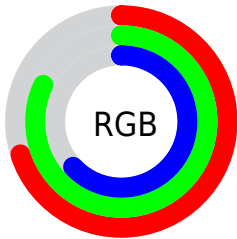
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 209, 191
Decimal	11719072
CIELab	80.52, -19.22, 20.97
CIELCh	81, 28.445, 132.520
Yxy	57.6040, 0.3232, 0.3919
Android (android.graphics.Color)	4289909152 (0xFFB2D1A0)
YUV	194.1450, -16.8335, -14.1592
Hunter-Lab	75.8973, -21.0926, 20.4148

# Details

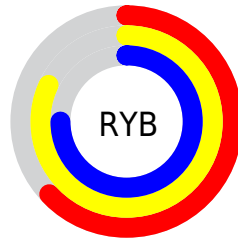
The Yxy color **57.6040, 0.3232, 0.3919** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.8273, 0.2994, 0.2682**, and the grayscale version is **54.1433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9187, 0.3227, 0.3698**, and **28.5539, 0.3256, 0.4092** is the 20% darker color. If you saturate the color by 10%, you get **55.4454, 0.3271, 0.4223**, and if you desaturate by 10%, it is **60.0414, 0.3189, 0.3635**.

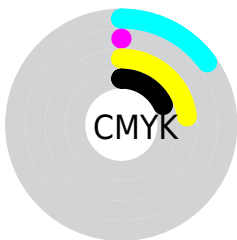
# Distribution



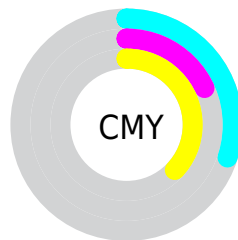
- Red (70%)
- Green (82%)
- Blue (63%)



- Red (63%)
- Yellow (82%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (23%)
- Black (18%)




- Cyan (30%)
- Magenta (18%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6040, 0.3232, 0.3919 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 57.6040, 0.3232, 0.3919 by changing the saturation by 10% instead.




 57.6040, 0.3232,  
0.3919

 57.6040, 0.3232,  
0.3919


415.7087, 0.3187,  
0.3606

 41.4904, 0.3241,  
0.3997

 101.3460, 0.3217,  
0.3806

 28.7024, 0.3251,  
0.4096


 129.7431, 0.3211,  
0.3763

 18.8558, 0.3262,  
0.4227


163.0035, 0.3206,  
0.3727

 11.5662, 0.3273,  
0.4407

201.5116, 0.3201,  
0.3696

 6.4490, 0.3281,  
0.4670

245.6518, 0.3197,  
0.3669

 3.1200, 0.3270,  
0.5086

295.8084, 0.3194,

 1.1947, 0.3479,

0.3645

0.6521

352.3660, 0.3190,  
0.3624

0.0574, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.6040, 0.3232,  
0.3919

57.6040, 0.3232,  
0.3919

55.4454, 0.3271,  
0.4223

60.0414, 0.3189,  
0.3635

53.5478, 0.3301,  
0.4539

62.7599, 0.3143,  
0.3374

51.9026, 0.3320,  
0.4853

65.7714, 0.3097,  
0.3139

50.4976, 0.3325,  
0.5151

69.0846, 0.3052,  
0.2929

■ 49.3199, 0.3312,  
0.5414

■ 72.0800, 0.3071,  
0.2830

■ 48.3546, 0.3281,  
0.5625

■ 74.0832, 0.3148,  
0.2841

■ 47.5848, 0.3235,  
0.5773

■ 47.1701, 0.3200,  
0.5841

# Harmonies

## Analogous

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



57.6040, 0.3580, 0.3939



57.6040, 0.3232, 0.3919



57.6040, 0.2869, 0.3696

# Triad

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



57.6040, 0.3232, 0.3919



57.6040, 0.2477, 0.2773



57.6040, 0.3691, 0.3199

# Complementary

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



57.6040, 0.3232, 0.3919



40.8273, 0.2994, 0.2682

# 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.



57.6040, 0.3365, 0.2929



57.6040, 0.3232, 0.3919



57.6040, 0.2668, 0.2686

# Square

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



57.6040, 0.3232, 0.3919



57.6040, 0.2448, 0.3007



57.6040, 0.2988, 0.2745



57.6040, 0.3858, 0.3503



# Rectangle

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



57.6040, 0.3232, 0.3919



57.6040, 0.2667, 0.3469



57.6040, 0.2988, 0.2745



57.6040, 0.3595, 0.3102

# Sweetspot

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



57.6065, 0.3232, 0.3919



96.8233, 0.3160, 0.3466



53.0182, 0.3526, 0.3658



20.6678, 0.3163, 0.3482



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

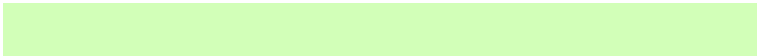


# Same Dimension

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



57.6065, 0.3232, 0.3919



88.6385, 0.3252, 0.4065



55.8210, 0.3059, 0.3866



13.4146, 0.3170, 0.3526



29.1336, 0.3210, 0.5833



1.6735, 0.3357, 0.5717



# Inverse Universe

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



40.8273, 0.2994, 0.2682



57.9577, 0.2960, 0.2547



43.0268, 0.3204, 0.2775



11.7831, 0.3080, 0.3057



5.9337, 0.2311, 0.1047

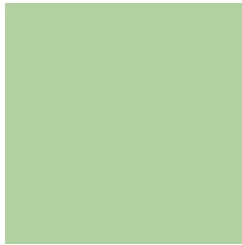


0.3760, 0.2477, 0.1138



# Previews

## White Background



This preview shows how the Yxy color 57.6040, 0.3232, 0.3919 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

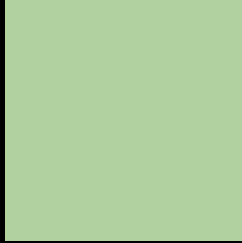
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.6040, 0.3232, 0.3919 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

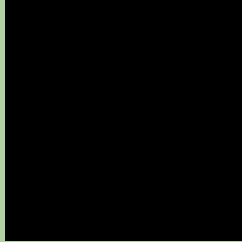
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.6040, 0.3232, 0.3919**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.6040, 0.3232, 0.3919.

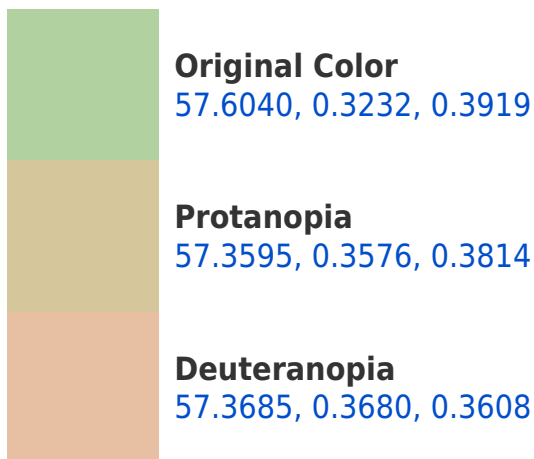


This preview shows how white text looks on a background with the Yxy color 57.6040, 0.3232, 0.3919.

# 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





## Tritanopia

57.3478, 0.2912, 0.3098

# Trichromacy



## Original Color

57.6040, 0.3232, 0.3919

## Protanomaly

57.4256, 0.3441, 0.3855

## Deuteranomaly

57.0296, 0.3508, 0.3708

## Tritanomaly

57.3616, 0.3032, 0.3389

# Monochromacy



## Original Color

57.6040, 0.3232, 0.3919

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.9156, 0.3164, 0.3503

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.6040, 0.3232, 0.3919 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(178, 209, 160)` looks like.

```
.text, #text, p{  
    color:rgb(178, 209, 160)  
}
```

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(178, 209, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 209, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 57.6040, 0.3232, 0.3919 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(178, 209, 160) }
```

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

```
.border{ border-color:rgb(178, 209, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 209, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 209, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 209, 160);  
box-shadow:4px 4px 4px 4px rgb(178, 209,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.6040, 0.3232, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 209, 160) }
```

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

```
.background{ background-color: rgb(178,  
209, 160) }
```

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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