

# Converting Colors

Yxy(41.9417, 0.3184, 0.4346)

Have a look what the booklet for  
Yxy(41.9417, 0.3184, 0.4346)  
contains.

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# Color

**Yxy(41.7781, 0.3179, 0.4338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84BB77
RGB	132, 187, 119
RGB Percent	52%, 73%, 47%
CMY	0.4824, 0.2666, 0.5332
CMYK	0.29, 0.00, 0.36, 0.27
HSL	109°, 33%, 60%
HSV	109°, 36%, 73%
XYZ	30.6161, 41.7781, 23.9131
YIQ	162.8030, -10.9520, -32.8080

# Conversions

## Conversions Part 2

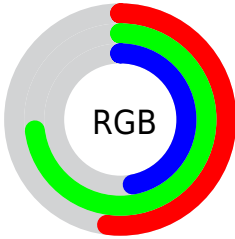
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 187, 174
Decimal	8698743
CIELab	70.72, -31.04, 28.85
CIELCh	71, 42.371, 137.094
Yxy	41.7781, 0.3179, 0.4338
Android (android.graphics.Color)	4286888823 (0xFF84BB77)
YUV	162.8030, -21.5949, -27.0142
Hunter-Lab	64.6360, -28.5630, 23.3099

# Details

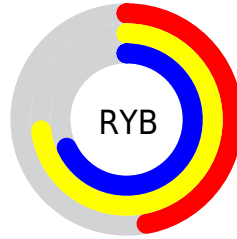
The Yxy color **41.7781, 0.3179, 0.4338** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **25.7939, 0.3029, 0.2365**, and the grayscale version is **36.6368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6445, 0.3183, 0.4119**, and **18.9227, 0.3161, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **40.2408, 0.3182, 0.4673**, and if you desaturate by 10%, it is **43.5844, 0.3169, 0.4016**.

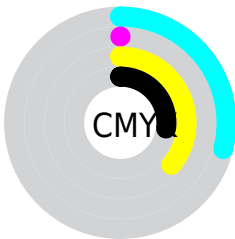
# Distribution



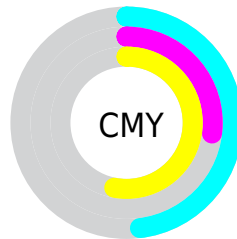
- Red (52%)
- Green (73%)
- Blue (47%)



- Red (47%)
- Yellow (73%)
- Blue (68%)



- Cyan (29%)
- Magenta (0%)
- Yellow (36%)
- Black (27%)




- Cyan (48%)
- Magenta (27%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7781, 0.3179, 0.4338 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 41.7781, 0.3179, 0.4338 by changing the saturation by 10% instead.





 41.7781, 0.3179,  
0.4338

 41.7781, 0.3179,  
0.4338


353.5623, 0.3170,  
0.3778

 28.9276, 0.3174,  
0.4489


 77.8637, 0.3180,  
0.4126

 19.0260, 0.3164,  
0.4689


 101.8675, 0.3179,  
0.4049

 11.6891, 0.3140,  
0.4965


 130.3579, 0.3178,  
0.3985

 6.5323, 0.3087,  
0.5367

163.7193, 0.3176,  
0.3931

 3.1714, 0.3001,  
0.6078

202.3360, 0.3175,  
0.3884

 1.2219, 0.2325,  
0.7675

246.5925, 0.3173,

 0.0794, 0.0000,

0.3844

1.0000

296.8731, 0.3171,  
0.3809

0.0000, 0.0000,  
0.0000

41.7781, 0.3179,  
0.4338

41.7781, 0.3179,  
0.4338

40.2408, 0.3182,  
0.4673

43.5844, 0.3169,  
0.4016

38.9544, 0.3178,  
0.5007

45.6663, 0.3155,  
0.3717

37.9068, 0.3164,  
0.5318


48.0368, 0.3139,  
0.3447

37.0826, 0.3141,  
0.5584


50.7063, 0.3120,  
0.3205

36.4647, 0.3110,  
0.5786


53.6850, 0.3102,  
0.2992


 36.0324, 0.3074,  
0.5914

 56.9824, 0.3083,  
0.2806

 35.9112, 0.3063,  
0.5950

 60.6075, 0.3065,  
0.2644

 63.6595, 0.3144,  
0.2621

 64.0225, 0.3158,  
0.2624

# Harmonies

## Analogous

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



41.7781, 0.3765, 0.4385



41.7781, 0.3179, 0.4338



41.7781, 0.2609, 0.3900

# Triad

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



41.7781, 0.3179, 0.4338



41.7781, 0.2124, 0.2413



41.7781, 0.4131, 0.3192

# Complementary

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



41.7781, 0.3179, 0.4338



25.7939, 0.3029, 0.2365

# 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.



41.7781, 0.3605, 0.2770



41.7781, 0.3179, 0.4338



41.7781, 0.2448, 0.2334

# Square

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



41.7781, 0.3179, 0.4338



41.7781, 0.2038, 0.2729



41.7781, 0.2977, 0.2466



41.7781, 0.4352, 0.3663



# Rectangle

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



41.7781, 0.3179, 0.4338



41.7781, 0.2314, 0.3482



41.7781, 0.2977, 0.2466



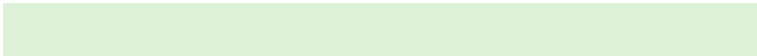
41.7781, 0.3981, 0.3042

# Sweetspot

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



41.7799, 0.3179, 0.4338



83.9128, 0.3147, 0.3574



41.9427, 0.3725, 0.4021



18.3526, 0.3149, 0.3611



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.7799, 0.3179, 0.4338



72.4868, 0.3182, 0.4618



41.3433, 0.2937, 0.4037



10.7348, 0.3144, 0.3525



24.7659, 0.3069, 0.5945



0.9968, 0.3226, 0.5820



# Inverse Universe

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



25.7939, 0.3029, 0.2365



39.4575, 0.2996, 0.2153



26.5427, 0.3394, 0.2647



9.6019, 0.3108, 0.3062



7.0585, 0.2736, 0.1281



0.3006, 0.2856, 0.1347



# Previews

## White Background



This preview shows how the Yxy color 41.7781, 0.3179, 0.4338 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 41.7781, 0.3179, 0.4338 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

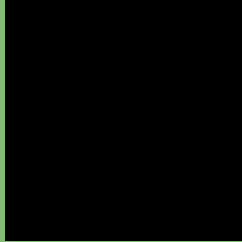
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7781, 0.3179, 0.4338**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7781, 0.3179, 0.4338.

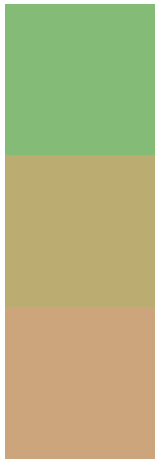


This preview shows how white text looks on a background with the Yxy color 41.7781, 0.3179, 0.4338.

# 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

41.7781, 0.3179, 0.4338

### Protanopia

41.2621, 0.3783, 0.4083

### Deuteranopia

41.3446, 0.3898, 0.3813



## Tritanopia

41.6663, 0.2754, 0.3092

# Trichromacy



## Original Color

41.7781, 0.3179, 0.4338

## Protanomaly

40.8976, 0.3549, 0.4176

## Deuteranomaly

40.7573, 0.3613, 0.3999

## Tritanomaly

41.3398, 0.2911, 0.3526

# Monochromacy



## Original Color

41.7781, 0.3179, 0.4338

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

38.2870, 0.3154, 0.3663

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7781, 0.3179, 0.4338 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(132, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(132, 187, 119)  
}
```

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(132, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 187, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7781, 0.3179, 0.4338 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(132, 187, 119) }
```

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

```
.border{ border-color:rgb(132, 187, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 187, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 187, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 187, 119);  
box-shadow:4px 4px 4px 4px rgb(132, 187,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7781, 0.3179, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 187, 119) }
```

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

```
.background{ background-color: rgb(132,  
187, 119) }
```

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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