

# Converting Colors

$Yxy(41.7909, 0.3109, 0.4148)$

Have a look what the booklet for  
Yxy(41.7909, 0.3109, 0.4148)  
contains.

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# Color

**Yxy(41.7161, 0.3111, 0.4151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85BA82
RGB	133, 186, 130
RGB Percent	52%, 73%, 51%
CMY	0.4783, 0.2706, 0.4903
CMYK	0.28, 0.00, 0.30, 0.27
HSL	117°, 29%, 62%
HSV	117°, 30%, 73%
XYZ	31.2645, 41.7161, 27.5159
YIQ	163.7690, -13.6120, -28.6520

# Conversions

## Conversions Part 2

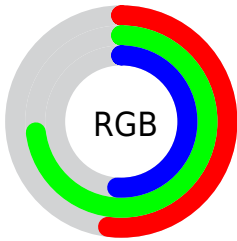
Format	Color
<a href="#">RYB</a>	<a href="#">130, 186, 183</a>
Decimal	<a href="#">8764034</a>
CIELab	<a href="#">70.67, -28.45, 22.99</a>
CIELCh	<a href="#">71, 36.579, 141.053</a>
Yxy	<a href="#">41.7161, 0.3111, 0.4151</a>
Android (android.graphics.Color)	<a href="#">4286954114 (0xFF85BA82)</a>
YUV	<a href="#">163.7690, -16.6481, -26.9844</a>
Hunter-Lab	<a href="#">64.5880, -26.6243, 19.9527</a>

# Details

The Yxy color **41.7161, 0.3111, 0.4151** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.5651, 0.3130, 0.2545**, and the grayscale version is **37.0980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4880, 0.3120, 0.3977**, and **19.1036, 0.3083, 0.4452** is the 20% darker color. If you saturate the color by 10%, you get **39.9488, 0.3101, 0.4492**, and if you desaturate by 10%, it is **43.8168, 0.3118, 0.3834**.

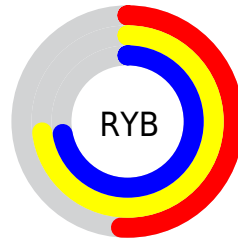
# Distribution



Red (52%)

Green (73%)

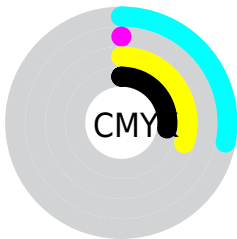
Blue (51%)



Red (51%)

Yellow (73%)

Blue (72%)

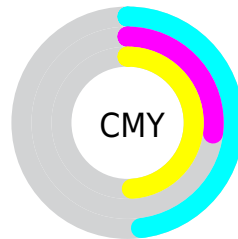


Cyan (28%)

Magenta (0%)

Yellow (30%)

Black (27%)



Cyan (48%)

Magenta (27%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7161, 0.3111, 0.4151 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 41.7161, 0.3111, 0.4151 by changing the saturation by 10% instead.





 41.7161, 0.3111,  
0.4151

 41.7161, 0.3111,  
0.4151


353.3047, 0.3131,  
0.3692

 28.8791, 0.3102,  
0.4275

 77.7698, 0.3121,  
0.3978

 18.9893, 0.3086,  
0.4439


 101.7552, 0.3124,  
0.3914

 11.6626, 0.3060,  
0.4668


 130.2255, 0.3126,  
0.3862

 6.5144, 0.3010,  
0.5004

163.5652, 0.3128,  
0.3818

 3.1603, 0.2905,  
0.5543

202.1585, 0.3129,  
0.3779

 1.2160, 0.2607,  
0.7393

246.3900, 0.3130,

 0.0747, 0.0000,

0.3747

1.0000

296.6439, 0.3130,  
0.3718

0.0000, 0.0000,  
0.0000

41.7161, 0.3111,  
0.4151

41.7161, 0.3111,  
0.4151

39.9488, 0.3101,  
0.4492

43.8168, 0.3118,  
0.3834

38.4929, 0.3088,  
0.4843

46.2613, 0.3124,  
0.3547

37.3318, 0.3073,  
0.5184


49.0658, 0.3127,  
0.3293

36.4454, 0.3057,  
0.5489


52.2442, 0.3129,  
0.3071


35.8110, 0.3039,  
0.5734

55.8095, 0.3130,  
0.2879

 35.4022, 0.3023,  
0.5900

 59.7741, 0.3130,  
0.2713

 35.1825, 0.3012,  
0.5991

 63.5969, 0.3159,  
0.2614

# Harmonies

## Analogous

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



41.7161, 0.3627, 0.4248



41.7161, 0.3111, 0.4151



41.7161, 0.2624, 0.3746

# Triad

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



41.7161, 0.3111, 0.4151



41.7161, 0.2273, 0.2505



41.7161, 0.4036, 0.3266

# Complementary

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



41.7161, 0.3111, 0.4151



29.5651, 0.3130, 0.2545

# 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.



41.7161, 0.3611, 0.2880



41.7161, 0.3111, 0.4151



41.7161, 0.2589, 0.2455

# Square

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



41.7161, 0.3111, 0.4151



41.7161, 0.2169, 0.2761



41.7161, 0.3071, 0.2593



41.7161, 0.4188, 0.3683



# Rectangle

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



41.7161, 0.3111, 0.4151



41.7161, 0.2378, 0.3388



41.7161, 0.3071, 0.2593



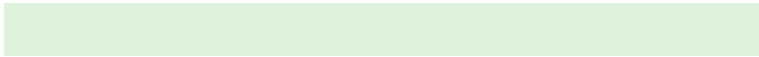
41.7161, 0.3918, 0.3131

# Sweetspot

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



41.7179, 0.3111, 0.4151



84.3167, 0.3124, 0.3521



45.6139, 0.3588, 0.3986



18.4142, 0.3123, 0.3560



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.



41.7179, 0.3111, 0.4151



73.4743, 0.3105, 0.4370



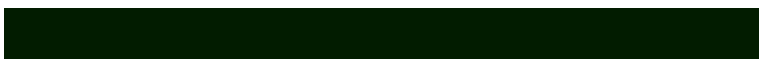
42.2028, 0.2914, 0.3771



10.0829, 0.3124, 0.3526



23.6810, 0.3014, 0.5989



0.8428, 0.3072, 0.5943



# Inverse Universe

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



29.5651, 0.3130, 0.2545



47.9705, 0.3128, 0.2387



28.9978, 0.3420, 0.2856



9.1371, 0.3129, 0.3064



8.5934, 0.3075, 0.1467



0.3106, 0.3112, 0.1488



# Previews

## White Background



This preview shows how the Yxy color 41.7161, 0.3111, 0.4151 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 41.7161, 0.3111, 0.4151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

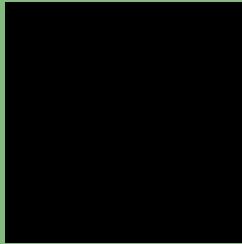
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7161, 0.3111, 0.4151**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7161, 0.3111, 0.4151.



This preview shows how white text looks on a background with the Yxy color 41.7161, 0.3111, 0.4151.

# 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

41.7161, 0.3111, 0.4151

### Protanopia

41.2746, 0.3668, 0.3943

### Deuteranopia

41.1881, 0.3774, 0.3691



## Tritanopia

41.5759, 0.2747, 0.3092

# Trichromacy



## Original Color

41.7161, 0.3111, 0.4151

## Protanomaly

41.0576, 0.3450, 0.4022

## Deuteranomaly

40.9277, 0.3508, 0.3848

## Tritanomaly

41.4878, 0.2882, 0.3466

# Monochromacy



## Original Color

41.7161, 0.3111, 0.4151

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

38.5444, 0.3122, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7161, 0.3111, 0.4151 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(133, 186, 130)` looks like.

```
.text, #text, p{  
    color:rgb(133, 186, 130)  
}
```

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(133, 186, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 186, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7161, 0.3111, 0.4151 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(133, 186, 130) }
```

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

```
.border{ border-color:rgb(133, 186, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 186, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 186, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 186, 130);  
box-shadow:4px 4px 4px 4px rgb(133, 186,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7161, 0.3111, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 186, 130) }
```

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

```
.background{ background-color: rgb(133,  
186, 130) }
```

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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