

# Converting Colors

$Yxy(41.4489, 0.3212, 0.4468)$

Have a look what the booklet for  
Yxy(41.4489, 0.3212, 0.4468)  
contains.

<b>Yxy(41.3555, 0.3210, 0.4471)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(41.3555, 0.3210, 0.4471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81BB6F
RGB	129, 187, 111
RGB Percent	51%, 73%, 44%
CMY	0.4941, 0.2666, 0.5648
CMYK	0.31, 0.00, 0.41, 0.27
HSL	106°, 36%, 58%
HSV	106°, 41%, 73%
XYZ	29.6916, 41.3555, 21.4501
YIQ	160.9940, -10.1720, -35.9320

# Conversions

## Conversions Part 2

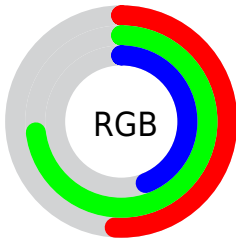
Format	Color
<a href="#">RYB</a>	111, 187, 169
Decimal	8502127
CIELab	70.42, -33.26, 32.63
CIELCh	70, 46.594, 135.541
Yxy	41.3555, 0.3210, 0.4471
Android (android.graphics.Color)	4286692207 (0xFF81BB6F)
YUV	160.9940, -24.6470, -28.0587
Hunter-Lab	64.3082, -30.1246, 25.2395

# Details

The Yxy color **41.3555, 0.3210, 0.4471** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.3863, 0.2974, 0.2242**, and the grayscale version is **35.7577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5721, 0.3207, 0.4230**, and **18.7006, 0.3196, 0.4853** is the 20% darker color. If you saturate the color by 10%, you get **39.9472, 0.3216, 0.4802**, and if you desaturate by 10%, it is **43.0096, 0.3196, 0.4147**.

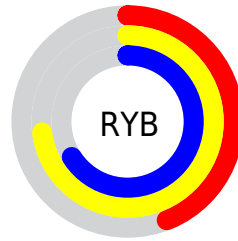
# Distribution



Red (51%)

Green (73%)

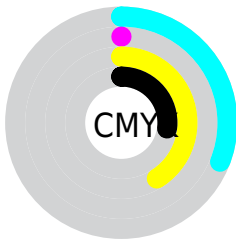
Blue (44%)



Red (44%)

Yellow (73%)

Blue (66%)

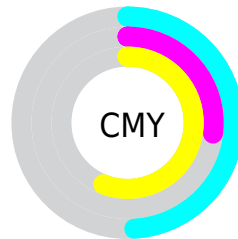


Cyan (31%)

Magenta (0%)

Yellow (41%)

Black (27%)



Cyan (49%)

Magenta (27%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3555, 0.3210, 0.4471 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 41.3555, 0.3210, 0.4471 by changing the saturation by 10% instead.





 41.3555, 0.3210,  
0.4471


 41.3555, 0.3210,  
0.4471


351.8042, 0.3190,  
0.3838

 28.5970, 0.3206,  
0.4642


 77.2233, 0.3209,  
0.4231


 18.7761, 0.3194,  
0.4868


 101.1013, 0.3206,  
0.4144

 11.5086, 0.3167,  
0.5179


 129.4546, 0.3204,  
0.4071

 6.4101, 0.3100,  
0.5627

 162.6676, 0.3201,  
0.4010

 3.0960, 0.3054,  
0.6563

201.1246, 0.3198,  
0.3958

 1.1820, 0.1943,  
0.8057

245.2102, 0.3195,

 0.0470, 0.0000,

0.3912

1.0000

295.3086, 0.3192,  
0.3873

■ 0.0000, 0.0000,  
0.0000

■ 41.3555, 0.3210,  
0.4471

■ 41.3555, 0.3210,  
0.4471

■ 39.9472, 0.3216,  
0.4802

■ 43.0096, 0.3196,  
0.4147

■ 38.7675, 0.3211,  
0.5123

■ 44.9153, 0.3177,  
0.3840

■ 37.8053, 0.3195,  
0.5413

■ 47.0846, 0.3154,  
0.3559


■ 37.0463, 0.3167,  
0.5652


■ 49.5271, 0.3129,  
0.3306


■ 36.4743, 0.3130,  
0.5823

■ 52.2522, 0.3103,  
0.3080

 36.0856, 0.3092,  
0.5927

 55.2687, 0.3078,  
0.2882

 58.5848, 0.3053,  
0.2707

 61.8438, 0.3068,  
0.2605

 64.0230, 0.3158,  
0.2624

# Harmonies

## Analogous

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



41.3555, 0.3849, 0.4485



41.3555, 0.3210, 0.4471



41.3555, 0.2583, 0.4002

# Triad

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



41.3555, 0.3210, 0.4471



41.3555, 0.2023, 0.2341



41.3555, 0.4212, 0.3150

# Complementary

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



41.3555, 0.3210, 0.4471



23.3863, 0.2974, 0.2242

# 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.



41.3555, 0.3616, 0.2700



41.3555, 0.3210, 0.4471



41.3555, 0.2359, 0.2248

# Square

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



41.3555, 0.3210, 0.4471



41.3555, 0.1943, 0.2692



41.3555, 0.2924, 0.2381



41.3555, 0.4474, 0.3659



# Rectangle

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



41.3555, 0.3210, 0.4471



41.3555, 0.2255, 0.3536



41.3555, 0.2924, 0.2381



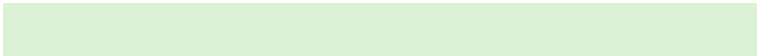
41.3555, 0.4041, 0.2990

# Sweetspot

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



41.3573, 0.3210, 0.4471



83.6929, 0.3158, 0.3601



39.7178, 0.3820, 0.4061



18.3147, 0.3161, 0.3636



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.



41.3573, 0.3210, 0.4471



71.7415, 0.3216, 0.4774



40.5326, 0.2943, 0.4208



10.7558, 0.3151, 0.3525



24.8899, 0.3099, 0.5922



1.0060, 0.3277, 0.5780



# Inverse Universe

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



23.3863, 0.2974, 0.2242



35.0419, 0.2925, 0.2010



24.7572, 0.3390, 0.2524



9.5793, 0.3101, 0.3061



6.5104, 0.2623, 0.1218



0.2831, 0.2770, 0.1300



# Previews

## White Background



This preview shows how the Yxy color 41.3555, 0.3210, 0.4471 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 41.3555, 0.3210, 0.4471 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 41.3555, 0.3210, 0.4471**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.3555, 0.3210, 0.4471.



This preview shows how white text looks on a background with the Yxy color 41.3555, 0.3210, 0.4471.

# 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

41.3555, 0.3210, 0.4471

### Protanopia

41.0898, 0.3849, 0.4185

### Deuteranopia

40.7910, 0.3978, 0.3900



## Tritanopia

41.0897, 0.2738, 0.3077

# Trichromacy



**Original Color**

41.3555, 0.3210, 0.4471

**Protanomaly**

40.6128, 0.3602, 0.4290

**Deuteranomaly**

40.0671, 0.3675, 0.4099

**Tritanomaly**

41.0954, 0.2910, 0.3557

# Monochromacy



**Original Color**

41.3555, 0.3210, 0.4471

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

37.1222, 0.3162, 0.3700

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  41.3555, 0.3210, 0.4471 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(129, 187, 111)` looks like.

```
.text, #text, p{  
    color:rgb(129, 187, 111)  
}
```

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(129, 187, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 187, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 41.3555, 0.3210, 0.4471 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(129, 187, 111) }
```

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

```
.border{ border-color:rgb(129, 187, 111) }
```

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

Here you see how a box with a 4 pixel rgb(129, 187, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 187, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 187, 111);  
box-shadow:4px 4px 4px 4px rgb(129, 187,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.3555, 0.3210, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 187, 111) }
```

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

```
.background{ background-color: rgb(129,  
187, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor