

# Converting Colors

$Y_{xy}(45.6680, 0.3370, 0.4726)$

Have a look what the booklet for  
Yxy(45.6680, 0.3370, 0.4726)  
contains.

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# Color

**Yxy(45.4687, 0.3373, 0.4720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CC361
RGB	140, 195, 97
RGB Percent	55%, 76%, 38%
CMY	0.4508, 0.2353, 0.6196
CMYK	0.28, 0.00, 0.50, 0.24
HSL	94°, 45%, 57%
HSV	94°, 50%, 76%
XYZ	32.4928, 45.4687, 18.3705
YIQ	167.3830, -1.3220, -42.1380

# Conversions

## Conversions Part 2

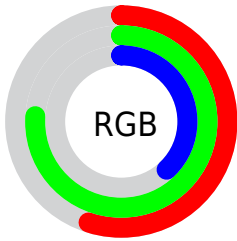
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 195, 152
Decimal	9225057
CIELab	73.20, -34.87, 43.28
CIELCh	73, 55.577, 128.858
Yxy	45.4687, 0.3373, 0.4720
Android (android.graphics.Color)	4287415137 (0xFF8CC361)
YUV	167.3830, -34.6988, -24.0149
Hunter-Lab	67.4305, -31.9894, 31.0486

# Details

The Yxy color **45.4687, 0.3373, 0.4720** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **19.1583, 0.2703, 0.1914**, and the grayscale version is **39.0178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5586, 0.3350, 0.4438**, and **21.2254, 0.3377, 0.5173** is the 20% darker color. If you saturate the color by 10%, you get **44.2470, 0.3392, 0.5013**, and if you desaturate by 10%, it is **46.8781, 0.3339, 0.4415**.

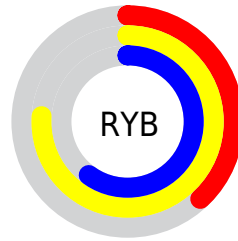
# Distribution



Red (55%)

Green (76%)

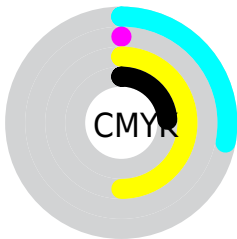
Blue (38%)



Red (38%)

Yellow (76%)

Blue (60%)

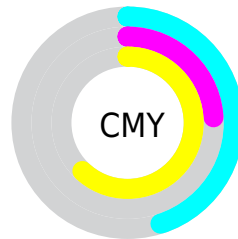


Cyan (28%)

Magenta (0%)

Yellow (50%)

Black (24%)



Cyan (45%)

Magenta (24%)


Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4687, 0.3373, 0.4720 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 45.4687, 0.3373, 0.4720 by changing the saturation by 10% instead.





 45.4687, 0.3373,  
0.4720


 45.4687, 0.3373,  
0.4720


368.6685, 0.3284,  
0.3968

 31.8268, 0.3381,  
0.4914


 83.4233, 0.3351,  
0.4441


 21.2292, 0.3380,  
0.5164


 108.5048, 0.3339,  
0.4338

 13.2917, 0.3361,  
0.5495


 138.1682, 0.3328,  
0.4251

 7.6297, 0.3296,  
0.5944

 172.7979, 0.3318,  
0.4177

 3.8589, 0.3221,  
0.6779

212.7785, 0.3308,  
0.4114

 1.5950, 0.2521,  
0.7479

258.4941, 0.3299,

 0.3542, 0.0000,

0.4059

1.0000

310.3294, 0.3291,  
0.4011

0.0000, 0.0000,  
0.0000

45.4687, 0.3373,  
0.4720

45.4687, 0.3373,  
0.4720

44.2470, 0.3392,  
0.5013

46.8781, 0.3339,  
0.4415

43.1978, 0.3393,  
0.5278

48.4780, 0.3294,  
0.4111

42.3125, 0.3374,  
0.5499

50.2783, 0.3242,  
0.3820

41.5790, 0.3335,  
0.5663

52.2865, 0.3186,  
0.3547

40.9907, 0.3285,  
0.5774

54.5097, 0.3129,  
0.3296

■ 56.9546, 0.3072,  
0.3069

■ 59.6276, 0.3017,  
0.2866

■ 62.5347, 0.2965,  
0.2684

■ 64.5038, 0.3032,  
0.2680

# Harmonies

## Analogous

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



45.4687, 0.4079, 0.4592



45.4687, 0.3373, 0.4720



45.4687, 0.2640, 0.4289

# Triad

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



45.4687, 0.3373, 0.4720



45.4687, 0.1835, 0.2267



45.4687, 0.4253, 0.2998

# Complementary

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



45.4687, 0.3373, 0.4720



19.1583, 0.2703, 0.1914

# 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.



45.4687, 0.3506, 0.2524



45.4687, 0.3373, 0.4720



45.4687, 0.2144, 0.2111

# Square

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



45.4687, 0.3373, 0.4720



45.4687, 0.1808, 0.2722



45.4687, 0.2726, 0.2210



45.4687, 0.4654, 0.3556

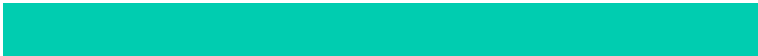


# Rectangle

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



45.4687, 0.3373, 0.4720



45.4687, 0.2237, 0.3759



45.4687, 0.2726, 0.2210



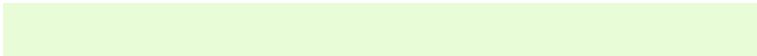
45.4687, 0.4028, 0.2827

# Sweetspot

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



45.4707, 0.3373, 0.4720



91.8136, 0.3214, 0.3680



34.5639, 0.4135, 0.4002



19.9388, 0.3226, 0.3739



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.



45.4707, 0.3373, 0.4720



79.1146, 0.3393, 0.5032



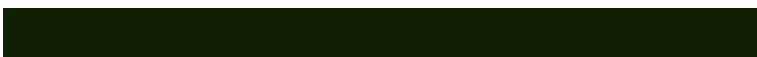
42.5268, 0.3026, 0.4794



11.4704, 0.3181, 0.3523



26.6909, 0.3295, 0.5766



1.1940, 0.3475, 0.5623



# Inverse Universe

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



19.1583, 0.2703, 0.1914



26.7888, 0.2582, 0.1626



23.8715, 0.3238, 0.2142



10.0202, 0.3069, 0.3058



4.7387, 0.2157, 0.0962



0.2450, 0.2387, 0.1088



# Previews

## White Background



This preview shows how the Yxy color 45.4687, 0.3373, 0.4720 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 45.4687, 0.3373, 0.4720 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 45.4687, 0.3373, 0.4720**

## Background



This preview shows how black text looks on a background with the Yxy color 45.4687, 0.3373, 0.4720.



This preview shows how white text looks on a background with the Yxy color 45.4687, 0.3373, 0.4720.

# 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

45.4687, 0.3373, 0.4720

### Protanopia

45.0187, 0.4014, 0.4371

### Deuteranopia

45.0105, 0.4174, 0.4091



## Tritanopia

45.3268, 0.2794, 0.3100

# Trichromacy



**Original Color**

45.4687, 0.3373, 0.4720

**Protanomaly**

44.8532, 0.3764, 0.4502

**Deuteranomaly**

44.5293, 0.3865, 0.4313

**Tritanomaly**

45.0237, 0.3020, 0.3676

# Monochromacy



**Original Color**

45.4687, 0.3373, 0.4720

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

40.5654, 0.3235, 0.3803

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4687, 0.3373, 0.4720 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(140, 195, 97)` looks like.

```
.text, #text, p{  
    color:rgb(140, 195, 97)  
}
```

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(140, 195, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 195, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4687, 0.3373, 0.4720 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(140, 195, 97) }
```

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

```
.border{ border-color:rgb(140, 195, 97) }
```

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

Here you see how a box with a 4 pixel rgb(140, 195, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 195, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 195, 97);  
box-shadow:4px 4px 4px 4px rgb(140, 195,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4687, 0.3373, 0.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 195, 97) }
```

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

```
.background{ background-color: rgb(140,  
195, 97) }
```

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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