

# Converting Colors

$Yxy(45.7983, 0.3331, 0.4477)$

Have a look what the booklet for  
Yxy(45.7983, 0.3331, 0.4477)  
contains.

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# Color

**Yxy(45.8644, 0.3330, 0.4482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92C270
RGB	146, 194, 112
RGB Percent	57%, 76%, 44%
CMY	0.4273, 0.2392, 0.5607
CMYK	0.25, 0.00, 0.42, 0.24
HSL	95°, 40%, 60%
HSV	95°, 42%, 76%
XYZ	34.0760, 45.8644, 22.3898
YIQ	170.3000, -2.2860, -35.6780

# Conversions

## Conversions Part 2

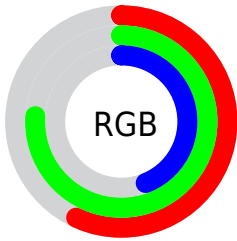
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">112, 194, 160</a>
Decimal	<a href="#">9618032</a>
CIELab	<a href="#">73.46, -30.39, 36.19</a>
CIELCh	<a href="#">73, 47.258, 130.025</a>
Yxy	<a href="#">45.8644, 0.3330, 0.4482</a>
Android (android.graphics.Color)	<a href="#">4287808112 (0xFF92C270)</a>
YUV	<a href="#">170.3000, -28.7419, -21.3111</a>
Hunter-Lab	<a href="#">67.7233, -28.7008, 27.8045</a>

# Details

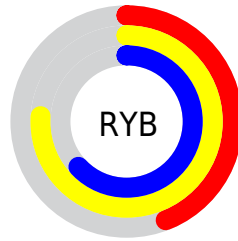
The Yxy color **45.8644, 0.3330, 0.4482** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.9576, 0.2810, 0.2148**, and the grayscale version is **40.5081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1285, 0.3304, 0.4251**, and **21.4311, 0.3347, 0.4859** is the 20% darker color. If you saturate the color by 10%, you get **44.4904, 0.3358, 0.4789**, and if you desaturate by 10%, it is **47.4388, 0.3291, 0.4174**.

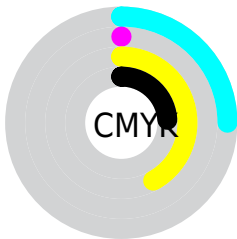
# Distribution



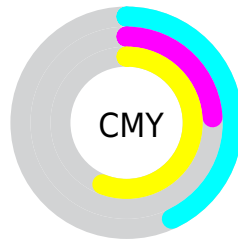
- Red (57%)
- Green (76%)
- Blue (44%)



- Red (44%)
- Yellow (76%)
- Blue (63%)



- Cyan (25%)
- Magenta (0%)
- Yellow (42%)
- Black (24%)




- Cyan (43%)
- Magenta (24%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8644, 0.3330, 0.4482 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 45.8644, 0.3330, 0.4482 by changing the saturation by 10% instead.





 45.8644, 0.3330,  
0.4482


 45.8644, 0.3330,  
0.4482


370.2632, 0.3251,  
0.3857

 32.1388, 0.3341,  
0.4645


 84.0160, 0.3308,  
0.4249


 21.4676, 0.3348,  
0.4856


 109.2109, 0.3297,  
0.4164

 13.4662, 0.3345,  
0.5139


 138.9976, 0.3288,  
0.4092

 7.7504, 0.3316,  
0.5535

 173.7606, 0.3279,  
0.4031

 3.9356, 0.3287,  
0.6242

213.8843, 0.3271,  
0.3978

 1.6376, 0.2916,  
0.7084

259.7530, 0.3264,

 0.3828, 0.0000,

0.3933

1.0000

311.7512, 0.3257,  
0.3893

0.0000, 0.0000,  
0.0000

45.8644, 0.3330,  
0.4482

45.8644, 0.3330,  
0.4482

44.4904, 0.3358,  
0.4789

47.4388, 0.3291,  
0.4174

43.3017, 0.3370,  
0.5082

49.2159, 0.3244,  
0.3878

42.2906, 0.3365,  
0.5343


51.2055, 0.3192,  
0.3600


41.4458, 0.3340,  
0.5556

53.4151, 0.3139,  
0.3344

40.7547, 0.3297,  
0.5711


55.8517, 0.3086,  
0.3113

 40.3094, 0.3256,  
0.5797

 58.5219, 0.3035,  
0.2905

 61.4321, 0.2985,  
0.2721

 63.7766, 0.3020,  
0.2667

 65.7905, 0.3104,  
0.2683

# Harmonies

## Analogous

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



45.8644, 0.3939, 0.4422



45.8644, 0.3330, 0.4482



45.8644, 0.2699, 0.4099

# Triad

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



45.8644, 0.3330, 0.4482



45.8644, 0.2009, 0.2402



45.8644, 0.4102, 0.3066

# Complementary

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



45.8644, 0.3330, 0.4482



22.9576, 0.2810, 0.2148

# 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.



45.8644, 0.3482, 0.2641



45.8644, 0.3330, 0.4482



45.8644, 0.2294, 0.2265

# Square

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



45.8644, 0.3330, 0.4482



45.8644, 0.1978, 0.2797



45.8644, 0.2813, 0.2357



45.8644, 0.4431, 0.3562

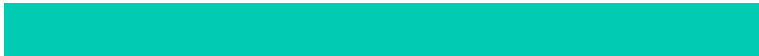


# Rectangle

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



45.8644, 0.3330, 0.4482



45.8644, 0.2351, 0.3661



45.8644, 0.2813, 0.2357



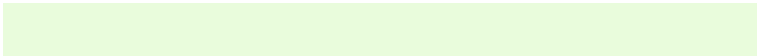
45.8644, 0.3917, 0.2913

# Sweetspot

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



45.8664, 0.3330, 0.4482



92.4175, 0.3197, 0.3625



37.7243, 0.3926, 0.3927



20.0552, 0.3209, 0.3686



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.



45.8664, 0.3330, 0.4482



80.7140, 0.3357, 0.4776



43.3558, 0.3024, 0.4475



11.4584, 0.3177, 0.3524



26.5492, 0.3266, 0.5789



1.1875, 0.3448, 0.5644



# Inverse Universe

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



22.9576, 0.2810, 0.2148



33.5419, 0.2713, 0.1881



26.6555, 0.3249, 0.2339



10.0325, 0.3073, 0.3058



4.9395, 0.2208, 0.0990



0.2531, 0.2430, 0.1112



# Previews

## White Background



This preview shows how the Yxy color 45.8644, 0.3330, 0.4482 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 45.8644, 0.3330, 0.4482 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 45.8644, 0.3330, 0.4482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.8644, 0.3330, 0.4482.



This preview shows how white text looks on a background with the Yxy color 45.8644, 0.3330, 0.4482.

# 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

45.8644, 0.3330, 0.4482

### Protanopia

45.5744, 0.3887, 0.4217

### Deuteranopia

45.3883, 0.4031, 0.3953



## Tritanopia

45.7754, 0.2817, 0.3089

# Trichromacy



**Original Color**

45.8644, 0.3330, 0.4482

**Protanomaly**

45.2670, 0.3667, 0.4315

**Deuteranomaly**

44.9567, 0.3766, 0.4140

**Tritanomaly**

45.6265, 0.3008, 0.3585

# Monochromacy



**Original Color**

45.8644, 0.3330, 0.4482

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.9872, 0.3211, 0.3720

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8644, 0.3330, 0.4482 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(146, 194, 112)` looks like.

```
.text, #text, p{  
    color:rgb(146, 194, 112)  
}
```

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(146, 194, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 194, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8644, 0.3330, 0.4482 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(146, 194, 112) }
```

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

```
.border{ border-color:rgb(146, 194, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 194, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 194, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 194, 112); box-shadow:4px 4px 4px 4px rgb(146, 194, 112) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8644, 0.3330, 0.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 194, 112) }
```

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

```
.background{ background-color: rgb(146,  
194, 112) }
```

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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