

# Converting Colors

$Yxy(43.2325, 0.2847, 0.4662)$

Have a look what the booklet for  
Yxy(43.2325, 0.2847, 0.4662)  
contains.

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# Color

**Yxy(43.2457, 0.2847, 0.4658)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EC673
RGB	78, 198, 115
RGB Percent	31%, 78%, 45%
CMY	0.6939, 0.2235, 0.5491
CMYK	0.61, 0.00, 0.42, 0.22
HSL	138°, 51%, 54%
HSV	138°, 61%, 78%
XYZ	26.4321, 43.2457, 23.1640
YIQ	152.6580, -44.8770, -51.2530

# Conversions

## Conversions Part 2

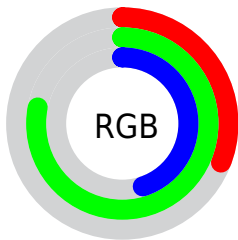
Format	Color
<a href="#">RYB</a>	<a href="#">78, 170, 198</a>
Decimal	<a href="#">5162611</a>
CIELab	<a href="#">71.72, -51.75, 31.85</a>
CIELCh	<a href="#">72, 60.763, 148.388</a>
Yxy	<a href="#">43.2457, 0.2847, 0.4658</a>
Android (android.graphics.Color)	<a href="#">4283352691 (0xFF4EC673)</a>
YUV	<a href="#">152.6580, -18.5654, -65.4751</a>
Hunter-Lab	<a href="#">65.7615, -43.3366, 25.1485</a>

# Details

The Yxy color **43.2457, 0.2847, 0.4658** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **20.0381, 0.3671, 0.2267**, and the grayscale version is **31.8010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6655, 0.2913, 0.4367**, and **20.0266, 0.2756, 0.5122** is the 20% darker color. If you saturate the color by 10%, you get **42.2403, 0.2834, 0.4923**, and if you desaturate by 10%, it is **44.5533, 0.2875, 0.4393**.

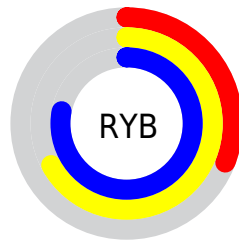
# Distribution



Red (31%)

Green (78%)

Blue (45%)



Red (31%)

Yellow (67%)

Blue (78%)

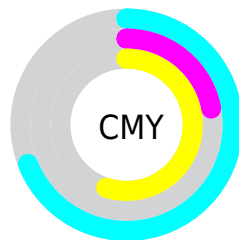


Cyan (61%)

Magenta (0%)

Yellow (42%)

Black (22%)



Cyan (69%)

Magenta (22%)


Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2457, 0.2847, 0.4658 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 43.2457, 0.2847, 0.4658 by changing the saturation by 10% instead.





 43.2457, 0.2847,  
0.4658


 43.2457, 0.2847,  
0.4658


359.6212, 0.3017,  
0.3916


 30.0779, 0.2793,  
0.4862


 80.0815, 0.2917,  
0.4374


 19.8978, 0.2717,  
0.5133


 104.5183, 0.2941,  
0.4272

 12.3207, 0.2602,  
0.5511


 133.4803, 0.2960,  
0.4187

 6.9625, 0.2416,  
0.6064

 167.3518, 0.2975,  
0.4116

 3.4387, 0.2128,  
0.7067

206.5173, 0.2988,  
0.4055

 1.3648, 0.0000,  
1.0000

251.3611, 0.3000,

 0.1906, 0.0000,

0.4002

1.0000

302.2676, 0.3009,  
0.3956

0.0000, 0.0000,  
0.0000

43.2457, 0.2847,  
0.4658

43.2457, 0.2847,  
0.4658

42.2403, 0.2834,  
0.4923

44.5533, 0.2875,  
0.4393

41.5065, 0.2837,  
0.5175

46.1802, 0.2914,  
0.4136

41.0159, 0.2856,  
0.5402

48.1484, 0.2961,  
0.3896

40.7248, 0.2885,  
0.5585

50.4764, 0.3013,  
0.3675

53.1815, 0.3068,  
0.3476

■ 56.2795, 0.3124,  
0.3300

■ 59.7857, 0.3179,  
0.3144

■ 63.7143, 0.3232,  
0.3008

■ 67.8406, 0.3274,  
0.2888

# Harmonies

## Analogous

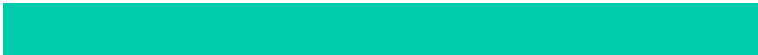
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.2457, 0.3665, 0.4894



43.2457, 0.2847, 0.4658



43.2457, 0.2150, 0.3825

# Triad

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



43.2457, 0.2847, 0.4658



43.2457, 0.1900, 0.2026



43.2457, 0.4727, 0.3345

# Complementary

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



43.2457, 0.2847, 0.4658



20.0381, 0.3671, 0.2267

# 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.



43.2457, 0.4114, 0.2768



43.2457, 0.2847, 0.4658



43.2457, 0.2427, 0.2047

# Square

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



43.2457, 0.2847, 0.4658



43.2457, 0.1673, 0.2292



43.2457, 0.3227, 0.2310



43.2457, 0.4805, 0.3966



# Rectangle

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



43.2457, 0.2847, 0.4658



43.2457, 0.1845, 0.3189



43.2457, 0.3227, 0.2310



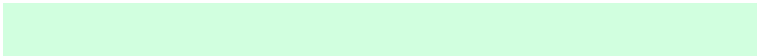
43.2457, 0.4575, 0.3145

# Sweetspot

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



43.2475, 0.2847, 0.4658



90.4299, 0.3026, 0.3627



48.6223, 0.3656, 0.4873



19.0708, 0.3010, 0.3689



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.



43.2475, 0.2847, 0.4658



74.2898, 0.2833, 0.5013



45.0668, 0.2515, 0.3659



11.9407, 0.3075, 0.3454



26.4977, 0.2878, 0.5561



1.2678, 0.2756, 0.5123



# Inverse Universe

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



20.0381, 0.3671, 0.2267



29.5615, 0.3844, 0.2123



18.4221, 0.4622, 0.2997



10.7589, 0.3184, 0.3131



8.9992, 0.4165, 0.2068



0.4386, 0.3919, 0.1933



# Previews

## White Background



This preview shows how the Yxy color 43.2457, 0.2847, 0.4658 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 43.2457, 0.2847, 0.4658 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 43.2457, 0.2847, 0.4658**

## Background



This preview shows how black text looks on a background with the Yxy color 43.2457, 0.2847, 0.4658.

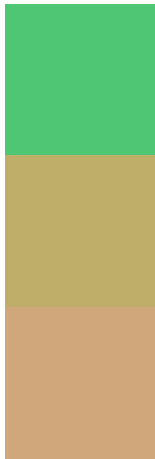


This preview shows how white text looks on a background with the Yxy color 43.2457, 0.2847, 0.4658.

# 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**

43.2457, 0.2847, 0.4658

**Protanopia**

42.3891, 0.3870, 0.4182

**Deuteranopia**

42.4525, 0.3936, 0.3855



## Tritanopia

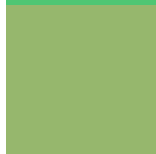
43.1618, 0.2445, 0.3071

# Trichromacy



## Original Color

43.2457, 0.2847, 0.4658



## Protanomaly

41.4551, 0.3415, 0.4387



## Deuteranomaly

40.7498, 0.3456, 0.4149



## Tritanomaly

43.0192, 0.2589, 0.3614

# Monochromacy



## Original Color

43.2457, 0.2847, 0.4658



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

34.6756, 0.2990, 0.3777

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2457, 0.2847, 0.4658 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(78, 198, 115)` looks like.

```
.text, #text, p{  
    color:rgb(78, 198, 115)  
}
```

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(78, 198, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 198, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2457, 0.2847, 0.4658 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(78, 198, 115) }
```

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

```
.border{ border-color:rgb(78, 198, 115) }
```

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

Here you see how a box with a 4 pixel rgb(78, 198, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 198, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 198, 115);  
box-shadow:4px 4px 4px 4px rgb(78, 198,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2457, 0.2847, 0.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 198, 115) }
```

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

```
.background{ background-color: rgb(78, 198,  
115) }
```

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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