

# Converting Colors

Yxy(53.4277, 0.2853, 0.4893)

Have a look what the booklet for  
Yxy(53.4277, 0.2853, 0.4893)  
contains.

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# Color

**Yxy(53.2557, 0.2851, 0.4892)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48DB72
RGB	72, 219, 114
RGB Percent	28%, 86%, 45%
CMY	0.7180, 0.1411, 0.5528
CMYK	0.67, 0.00, 0.48, 0.14
HSL	137°, 67%, 57%
HSV	137°, 67%, 86%
XYZ	31.0368, 53.2557, 24.5703
YIQ	163.0770, -53.9070, -63.8190

# Conversions

## Conversions Part 2

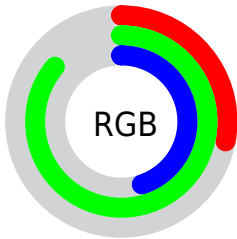
Format	Color
<a href="#">RYB</a>	<a href="#">72, 186, 219</a>
Decimal	<a href="#">4774770</a>
CIELab	<a href="#">78.03, -60.97, 40.35</a>
CIELCh	<a href="#">78, 73.116, 146.504</a>
Yxy	<a href="#">53.2557, 0.2851, 0.4892</a>
Android (android.graphics.Color)	<a href="#">4282964850 (0xFF48DB72)</a>
YUV	<a href="#">163.0770, -24.1950, -79.8745</a>
Hunter-Lab	<a href="#">72.9765, -51.7931, 31.1213</a>

# Details

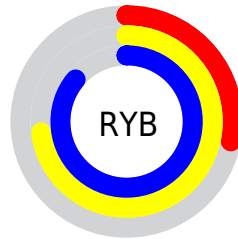
The Yxy color **53.2557, 0.2851, 0.4892** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **22.8533, 0.3716, 0.2152**, and the grayscale version is **36.7890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5443, 0.2913, 0.4381**, and **26.5533, 0.2819, 0.5349** is the 20% darker color. If you saturate the color by 10%, you get **52.2359, 0.2850, 0.5155**, and if you desaturate by 10%, it is **54.6402, 0.2868, 0.4618**.

# Distribution



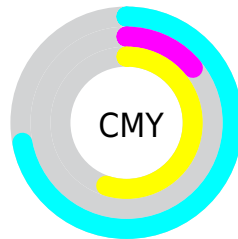
- Red (28%)
- Green (86%)
- Blue (45%)



- Red (28%)
- Yellow (73%)
- Blue (86%)



- Cyan (67%)
- Magenta (0%)
- Yellow (48%)
- Black (14%)




- Cyan (72%)
- Magenta (14%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2557, 0.2851, 0.4892 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 53.2557, 0.2851, 0.4892 by changing the saturation by 10% instead.





 53.2557, 0.2851,  
0.4892

 53.2557, 0.2851,  
0.4892


399.2654, 0.3025,  
0.4046


 38.0069, 0.2796,  
0.5113


 94.9805, 0.2923,  
0.4576


 25.9881, 0.2717,  
0.5402


 122.2254, 0.2947,  
0.4460

 16.8147, 0.2602,  
0.5789


 154.2377, 0.2967,  
0.4362

 10.1025, 0.2419,  
0.6327

 191.4019, 0.2983,  
0.4280

 5.4670, 0.2124,  
0.7148

234.1024, 0.2996,  
0.4209

 2.5238, 0.1392,  
0.8608

282.7235, 0.3007,

 0.8885, 0.0000,

0.4147

1.0000

337.6497, 0.3017,  
0.4093

0.0000, 0.0000,  
0.0000

53.2557, 0.2851,  
0.4892

53.2557, 0.2851,  
0.4892

52.2359, 0.2850,  
0.5155

54.6402, 0.2868,  
0.4618

51.5377, 0.2864,  
0.5394

56.4143, 0.2898,  
0.4344


51.1154, 0.2893,  
0.5596

58.6082, 0.2938,  
0.4083


51.0242, 0.2902,  
0.5646

61.2473, 0.2985,  
0.3839

64.3549, 0.3036,  
0.3617

 67.9525, 0.3089,  
0.3418

 72.0606, 0.3142,  
0.3243

 76.6982, 0.3194,  
0.3088

 79.1287, 0.3146,  
0.2943

# Harmonies

## Analogous

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



53.2557, 0.3751, 0.5077



53.2557, 0.2851, 0.4892



53.2557, 0.2075, 0.3960

# Triad

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



53.2557, 0.2851, 0.4892



53.2557, 0.1755, 0.1908



53.2557, 0.4892, 0.3285

# Complementary

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



53.2557, 0.2851, 0.4892



22.8533, 0.3716, 0.2152

# 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.



53.2557, 0.4173, 0.2672



53.2557, 0.2851, 0.4892



53.2557, 0.2301, 0.1919

# Square

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



53.2557, 0.2851, 0.4892



53.2557, 0.1531, 0.2207



53.2557, 0.3168, 0.2189



53.2557, 0.4998, 0.3956



# Rectangle

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



53.2557, 0.2851, 0.4892



53.2557, 0.1734, 0.3225



53.2557, 0.3168, 0.2189



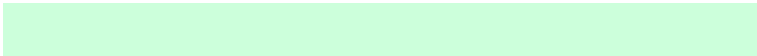
53.2557, 0.4712, 0.3072

# Sweetspot

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



53.2579, 0.2851, 0.4892



89.4510, 0.3021, 0.3681



60.5209, 0.3705, 0.5016



18.8777, 0.3006, 0.3744



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.



53.2579, 0.2851, 0.4892



73.2335, 0.2854, 0.5267



55.6361, 0.2490, 0.3747



14.6673, 0.3077, 0.3461



30.2681, 0.2895, 0.5620



1.9756, 0.2803, 0.5291



# Inverse Universe

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



22.8533, 0.3716, 0.2152



27.3897, 0.3891, 0.2039



20.6785, 0.4864, 0.2957



13.2079, 0.3181, 0.3125



10.3787, 0.4090, 0.2027

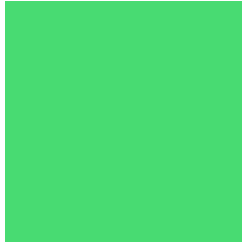


0.6870, 0.3913, 0.1929



# Previews

## White Background



This preview shows how the Yxy color 53.2557, 0.2851, 0.4892 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 53.2557, 0.2851, 0.4892 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

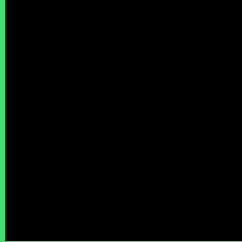
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.2557, 0.2851, 0.4892**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2557, 0.2851, 0.4892.

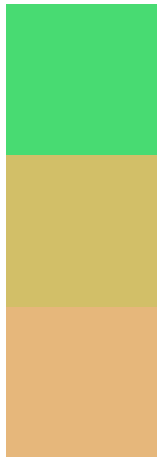


This preview shows how white text looks on a background with the Yxy color 53.2557, 0.2851, 0.4892.

# 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

53.2557, 0.2851, 0.4892

### Protanopia

51.9627, 0.3966, 0.4320

### Deuteranopia

52.1200, 0.4049, 0.3971



## Tritanopia

53.0792, 0.2415, 0.3075

# Trichromacy



## Original Color

53.2557, 0.2851, 0.4892



## Protanomaly

50.3296, 0.3453, 0.4562



## Deuteranomaly

49.7202, 0.3500, 0.4311



## Tritanomaly

52.3871, 0.2570, 0.3694

# Monochromacy



## Original Color

53.2557, 0.2851, 0.4892



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

40.6571, 0.2979, 0.3876

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2557, 0.2851, 0.4892 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(72, 219, 114)` looks like.

```
.text, #text, p{  
    color:rgb(72, 219, 114)  
}
```

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(72, 219, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 219, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2557, 0.2851, 0.4892 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(72, 219, 114) }
```

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

```
.border{ border-color:rgb(72, 219, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 219, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 219, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 219, 114);  
box-shadow:4px 4px 4px 4px rgb(72, 219,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2557, 0.2851, 0.4892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 219, 114) }
```

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

```
.background{ background-color: rgb(72, 219,  
114) }
```

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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