

# Converting Colors

Yxy(53.5952, 0.2898, 0.4438)

Have a look what the booklet for  
Yxy(53.5952, 0.2898, 0.4438)  
contains.

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# Color

**Yxy(53.5952, 0.2898, 0.4438)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CD789
RGB	108, 215, 137
RGB Percent	42%, 84%, 54%
CMY	0.5766, 0.1568, 0.4627
CMYK	0.50, 0.00, 0.36, 0.16
HSL	136°, 57%, 63%
HSV	136°, 50%, 84%
XYZ	34.9975, 53.5952, 32.1716
YIQ	174.1150, -38.7340, -46.9420

# Conversions

## Conversions Part 2

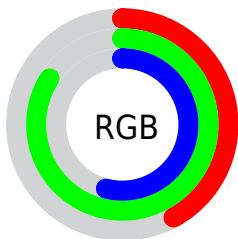
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">108, 192, 215</a>
Decimal	<a href="#">7133065</a>
CIELab	<a href="#">78.23, -47.77, 29.25</a>
CIELCh	<a href="#">78, 56.012, 148.522</a>
Yxy	<a href="#">53.5952, 0.2898, 0.4438</a>
Android (android.graphics.Color)	<a href="#">4285323145 (0xFF6CD789)</a>
YUV	<a href="#">174.1150, -18.2977, -57.9829</a>
Hunter-Lab	<a href="#">73.2087, -42.7832, 25.1911</a>

# Details

The Yxy color **53.5952, 0.2898, 0.4438** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **28.7094, 0.3500, 0.2379**, and the grayscale version is **42.4975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2809, 0.2944, 0.4040**, and **26.0725, 0.2806, 0.4797** is the 20% darker color. If you saturate the color by 10%, you get **51.9945, 0.2872, 0.4717**, and if you desaturate by 10%, it is **55.5979, 0.2934, 0.4167**.

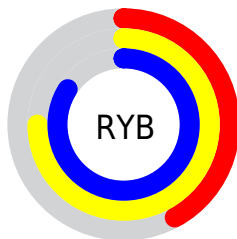
# Distribution



Red (42%)

Green (84%)

Blue (54%)



Red (42%)

Yellow (75%)

Blue (84%)

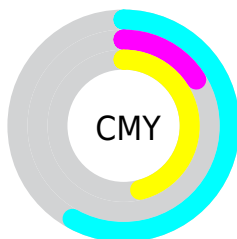


Cyan (50%)

Magenta (0%)

Yellow (36%)

Black (16%)



Cyan (58%)

Magenta (16%)


Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5952, 0.2898, 0.4438 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 53.5952, 0.2898, 0.4438 by changing the saturation by 10% instead.




 53.5952, 0.2898,  
0.4438


 53.5952, 0.2898,  
0.4438


400.5645, 0.3030,  
0.3840


 38.2781, 0.2859,  
0.4593


 95.4796, 0.2950,  
0.4216

 26.1986, 0.2806,  
0.4796


 122.8158, 0.2969,  
0.4134

 16.9723, 0.2730,  
0.5070


 154.9271, 0.2984,  
0.4065

 10.2147, 0.2613,  
0.5459

192.1979, 0.2996,  
0.4007

 5.5416, 0.2417,  
0.6042

235.0127, 0.3007,  
0.3956

 2.5684, 0.2165,  
0.7397

283.7557, 0.3016,

 0.9108, 0.0000,

0.3913

1.0000

338.8116, 0.3023,  
0.3874

■ 0.0000, 0.0000,  
0.0000

■ 53.5952, 0.2898,  
0.4438

■ 53.5952, 0.2898,  
0.4438

■ 51.9945, 0.2872,  
0.4717

■ 55.5979, 0.2934,  
0.4167

■ 50.7615, 0.2860,  
0.4994

■ 58.0211, 0.2978,  
0.3913

■ 49.8670, 0.2862,  
0.5255


■ 60.8897, 0.3027,  
0.3681


■ 49.2742, 0.2881,  
0.5485

■ 64.2251, 0.3077,  
0.3472


■ 48.9204, 0.2910,  
0.5674

■ 68.0471, 0.3128,  
0.3286

 48.9140, 0.2910,  
0.5677

 72.3743, 0.3178,  
0.3123

 76.5603, 0.3201,  
0.2979

 77.0849, 0.3145,  
0.2901

# Harmonies

## Analogous

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



53.5952, 0.3614, 0.4665



53.5952, 0.2898, 0.4438



53.5952, 0.2282, 0.3747

# Triad

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



53.5952, 0.2898, 0.4438



53.5952, 0.2050, 0.2180



53.5952, 0.4504, 0.3362

# Complementary

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



53.5952, 0.2898, 0.4438



28.7094, 0.3500, 0.2379

# 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.



53.5952, 0.3980, 0.2842



53.5952, 0.2898, 0.4438



53.5952, 0.2524, 0.2193

# Square

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



53.5952, 0.2898, 0.4438



53.5952, 0.1844, 0.2428



53.5952, 0.3224, 0.2430



53.5952, 0.4585, 0.3915

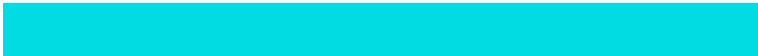


# Rectangle

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



53.5952, 0.2898, 0.4438



53.5952, 0.2006, 0.3214



53.5952, 0.3224, 0.2430



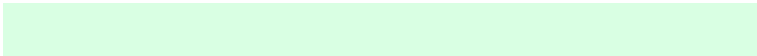
53.5952, 0.4372, 0.3182

# Sweetspot

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



53.5974, 0.2898, 0.4438



91.7867, 0.3050, 0.3581



60.1841, 0.3620, 0.4599



19.4271, 0.3039, 0.3626



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.



53.5974, 0.2898, 0.4438



76.3438, 0.2871, 0.4740



55.5099, 0.2606, 0.3637



13.9508, 0.3079, 0.3464



29.2693, 0.2903, 0.5652



1.7793, 0.2807, 0.5303



# Inverse Universe

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



28.7094, 0.3500, 0.2379



35.5912, 0.3612, 0.2214



26.8578, 0.4187, 0.2989



12.5725, 0.3179, 0.3122



10.1086, 0.4034, 0.1996



0.6232, 0.3860, 0.1900



# Previews

## White Background



This preview shows how the Yxy color 53.5952, 0.2898, 0.4438 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 53.5952, 0.2898, 0.4438 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

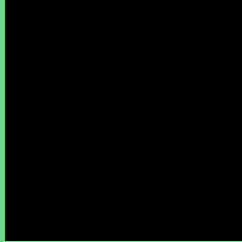
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.5952, 0.2898, 0.4438**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5952, 0.2898, 0.4438.



This preview shows how white text looks on a background with the Yxy color 53.5952, 0.2898, 0.4438.

# 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

53.5952, 0.2898, 0.4438

### Protanopia

52.8131, 0.3776, 0.4066

### Deuteranopia

52.6255, 0.3842, 0.3754



## Tritanopia

53.4723, 0.2521, 0.3079

# Trichromacy



## Original Color

53.5952, 0.2898, 0.4438



## Protanomaly

51.7179, 0.3403, 0.4214



## Deuteranomaly

51.1436, 0.3445, 0.3996



## Tritanomaly

53.3836, 0.2660, 0.3552

# Monochromacy



## Original Color

53.5952, 0.2898, 0.4438



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

45.4524, 0.3020, 0.3690

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5952, 0.2898, 0.4438 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(108, 215, 137)` looks like.

```
.text, #text, p{  
    color:rgb(108, 215, 137)  
}
```

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(108, 215, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 215, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5952, 0.2898, 0.4438 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(108, 215, 137) }
```

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

```
.border{ border-color:rgb(108, 215, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 215, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 215, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 215, 137);  
box-shadow:4px 4px 4px 4px rgb(108, 215,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5952, 0.2898, 0.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 215, 137) }
```

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

```
.background{ background-color: rgb(108,  
215, 137) }
```

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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