

# Converting Colors

Yxy(53.6690, 0.3293, 0.4951)

Have a look what the booklet for  
Yxy(53.6690, 0.3293, 0.4951)  
contains.

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# Color

**Yxy(53.4650, 0.3296, 0.4944)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86D55E
RGB	134, 213, 94
RGB Percent	53%, 84%, 37%
CMY	0.4746, 0.1647, 0.6313
CMYK	0.37, 0.00, 0.56, 0.16
HSL	100°, 59%, 60%
HSV	100°, 56%, 84%
XYZ	35.6433, 53.4650, 19.0328
YIQ	175.8130, -8.8850, -53.7570

# Conversions

## Conversions Part 2

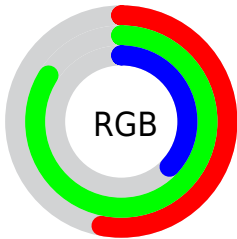
Format	Color
<a href="#">RYB</a>	<a href="#">94, 213, 173</a>
Decimal	<a href="#">8836446</a>
CIELab	<a href="#">78.15, -45.25, 50.50</a>
CIElCh	<a href="#">78, 67.806, 131.861</a>
Yxy	<a href="#">53.4650, 0.3296, 0.4944</a>
Android (android.graphics.Color)	<a href="#">4287026526 (0xFF86D55E)</a>
YUV	<a href="#">175.8130, -40.3338, -36.6700</a>
Hunter-Lab	<a href="#">73.1198, -40.9471, 35.7508</a>

# Details

The Yxy color **53.4650, 0.3296, 0.4944** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **21.7016, 0.2763, 0.1803**, and the grayscale version is **43.5297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7029, 0.3327, 0.4509**, and **26.2335, 0.3263, 0.5428** is the 20% darker color. If you saturate the color by 10%, you get **52.0506, 0.3293, 0.5240**, and if you desaturate by 10%, it is **55.1450, 0.3284, 0.4627**.

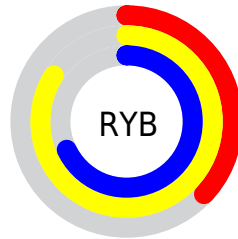
# Distribution



Red (53%)

Green (84%)

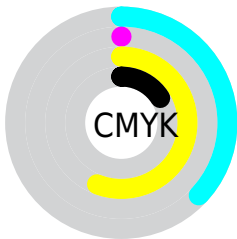
Blue (37%)



Red (37%)

Yellow (84%)

Blue (68%)

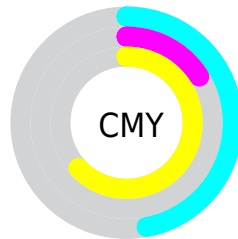


Cyan (37%)

Magenta (0%)

Yellow (56%)

Black (16%)



Cyan (47%)

Magenta (16%)


Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4650, 0.3296, 0.4944 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 53.4650, 0.3296, 0.4944 by changing the saturation by 10% instead.





 53.4650, 0.3296,  
0.4944

 53.4650, 0.3296,  
0.4944


400.0666, 0.3260,  
0.4091


 38.1741, 0.3287,  
0.5157


 95.2883, 0.3296,  
0.4632


 26.1178, 0.3263,  
0.5428

 122.5894, 0.3292,  
0.4515

 16.9118, 0.3213,  
0.5778


 154.6628, 0.3287,  
0.4416

 10.1716, 0.3106,  
0.6237

 191.8928, 0.3282,  
0.4332

 5.5129, 0.2962,  
0.7038

234.6637, 0.3276,  
0.4259

 2.5512, 0.2399,  
0.7601

283.3601, 0.3271,

 0.9022, 0.0000,

0.4196

1.0000

338.3663, 0.3265,  
0.4140

0.0000, 0.0000,  
0.0000

53.4650, 0.3296,  
0.4944

53.4650, 0.3296,  
0.4944

52.0506, 0.3293,  
0.5240

55.1450, 0.3284,  
0.4627

50.8799, 0.3273,  
0.5495

57.0974, 0.3261,  
0.4306

49.9383, 0.3238,  
0.5693

59.3371, 0.3229,  
0.3995

49.2059, 0.3189,  
0.5825

61.8760, 0.3192,  
0.3703

48.9526, 0.3168,  
0.5867

64.7252, 0.3151,  
0.3435

67.8951, 0.3110,  
0.3193

71.3957, 0.3069,  
0.2978

74.6149, 0.3091,  
0.2874

76.0728, 0.3146,  
0.2881

# Harmonies

## Analogous

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



53.4650, 0.4113, 0.4806



53.4650, 0.3296, 0.4944



53.4650, 0.2479, 0.4381

# Triad

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



53.4650, 0.3296, 0.4944



53.4650, 0.1695, 0.2093



53.4650, 0.4497, 0.3004

# Complementary

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



53.4650, 0.3296, 0.4944



21.7016, 0.2763, 0.1803

# 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.



53.4650, 0.3652, 0.2469



53.4650, 0.3296, 0.4944



53.4650, 0.2064, 0.1962

# Square

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



53.4650, 0.3296, 0.4944



53.4650, 0.1630, 0.2554



53.4650, 0.2742, 0.2101



53.4650, 0.4896, 0.3623

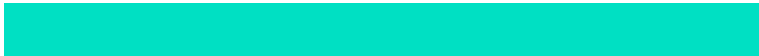


# Rectangle

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



53.4650, 0.3296, 0.4944



53.4650, 0.2048, 0.3727



53.4650, 0.2742, 0.2101



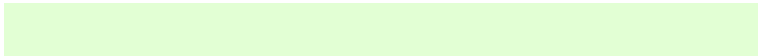
53.4650, 0.4248, 0.2812

# Sweetspot

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



53.4673, 0.3296, 0.4944



92.4582, 0.3197, 0.3740



44.2176, 0.4195, 0.4207



19.6188, 0.3204, 0.3798



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.



53.4673, 0.3296, 0.4944



77.8713, 0.3291, 0.5290



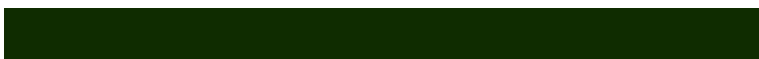
51.1398, 0.2956, 0.4825



14.0966, 0.3166, 0.3527



29.9501, 0.3178, 0.5859



1.8512, 0.3313, 0.5751



# Inverse Universe

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



21.7016, 0.2763, 0.1803



25.5388, 0.2657, 0.1528



26.1022, 0.3386, 0.2139



12.4142, 0.3085, 0.3056



6.4768, 0.2382, 0.1086



0.4352, 0.2528, 0.1166



# Previews

## White Background



This preview shows how the Yxy color 53.4650, 0.3296, 0.4944 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

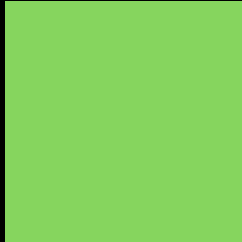
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4650, 0.3296, 0.4944 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 53.4650, 0.3296, 0.4944**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4650, 0.3296, 0.4944.



This preview shows how white text looks on a background with the Yxy color 53.4650, 0.3296, 0.4944.

# 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

53.4650, 0.3296, 0.4944

### Protanopia

52.9906, 0.4085, 0.4484

### Deuteranopia

52.6591, 0.4264, 0.4164



## Tritanopia

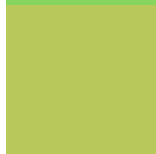
53.1364, 0.2692, 0.3084

# Trichromacy



## Original Color

53.4650, 0.3296, 0.4944



## Protanomaly

52.2371, 0.3773, 0.4663



## Deuteranomaly

51.6265, 0.3884, 0.4446



## Tritanomaly

52.8442, 0.2926, 0.3742

# Monochromacy



## Original Color

53.4650, 0.3296, 0.4944



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

46.0476, 0.3222, 0.3896

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4650, 0.3296, 0.4944 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(134, 213, 94)` looks like.

```
.text, #text, p{  
    color:rgb(134, 213, 94)  
}
```

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(134, 213, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 213, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4650, 0.3296, 0.4944 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(134, 213, 94) }
```

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

```
.border{ border-color:rgb(134, 213, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 213, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 213, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 213, 94);  
box-shadow:4px 4px 4px 4px rgb(134, 213,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4650, 0.3296, 0.4944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 213, 94) }
```

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

```
.background{ background-color: rgb(134,  
213, 94) }
```

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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