

# Converting Colors

$Yxy(44.3863, 0.3365, 0.4428)$

Have a look what the booklet for  
Yxy(44.3863, 0.3365, 0.4428)  
contains.

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# Color

**Yxy(44.3863, 0.3365, 0.4428)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	95BE70
RGB	149, 190, 112
RGB Percent	58%, 75%, 44%
CMY	0.4158, 0.2549, 0.5607
CMYK	0.22, 0.00, 0.41, 0.25
HSL	92°, 37%, 59%
HSV	92°, 41%, 75%
XYZ	33.7308, 44.3863, 22.1230
YIQ	168.8490, 0.6020, -32.9500

# Conversions

## Conversions Part 2

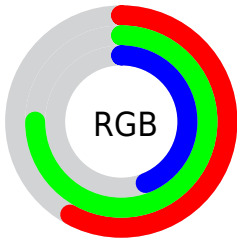
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 190, 153
Decimal	9813616
CIELab	72.49, -27.41, 34.98
CIELCh	72, 44.442, 128.077
Yxy	44.3863, 0.3365, 0.4428
Android (android.graphics.Color)	4288003696 (0xFF95BE70)
YUV	168.8490, -28.0266, -17.4076
Hunter-Lab	66.6230, -26.2170, 26.9482

# Details

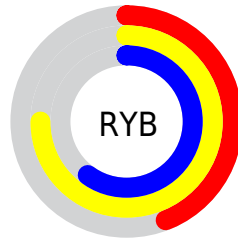
The Yxy color **44.3863, 0.3365, 0.4428** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.0862, 0.2773, 0.2169**, and the grayscale version is **39.7385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4655, 0.3332, 0.4199**, and **20.4429, 0.3397, 0.4790** is the 20% darker color. If you saturate the color by 10%, you get **43.1086, 0.3404, 0.4727**, and if you desaturate by 10%, it is **45.8379, 0.3315, 0.4128**.

# Distribution



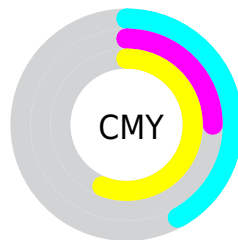
- Red (58%)
- Green (75%)
- Blue (44%)



- Red (44%)
- Yellow (75%)
- Blue (60%)



- Cyan (22%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)




- Cyan (42%)
- Magenta (25%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3863, 0.3365, 0.4428 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 44.3863, 0.3365, 0.4428 by changing the saturation by 10% instead.




 44.3863, 0.3365,  
0.4428

 44.3863, 0.3365,  
0.4428


364.2823, 0.3265,  
0.3831

 30.9743, 0.3381,  
0.4584


 81.7987, 0.3335,  
0.4205


 20.5793, 0.3397,  
0.4787


 106.5679, 0.3321,  
0.4123

 12.8168, 0.3405,  
0.5060


 135.8917, 0.3309,  
0.4055

 7.3025, 0.3393,  
0.5442

 170.1544, 0.3299,  
0.3996

 3.6520, 0.3402,  
0.6152

209.7404, 0.3289,  
0.3946

 1.4809, 0.3033,  
0.6967

255.0341, 0.3280,

 0.2752, 0.0000,

0.3902

1.0000

306.4200, 0.3273,  
0.3864

■ 0.0000, 0.0000,  
0.0000

■ 44.3863, 0.3365,  
0.4428

■ 44.3863, 0.3365,  
0.4428

■ 43.1086, 0.3404,  
0.4727

■ 45.8379, 0.3315,  
0.4128

■ 41.9913, 0.3427,  
0.5013

■ 47.4646, 0.3258,  
0.3839

■ 41.0279, 0.3430,  
0.5269

■ 49.2751, 0.3196,  
0.3566

■ 40.2090, 0.3413,  
0.5481

■ 51.2756, 0.3134,  
0.3315


■ 39.5238, 0.3376,  
0.5638

■ 53.4722, 0.3072,  
0.3086

 39.0068, 0.3330,  
0.5738

 55.8703, 0.3012,  
0.2880

 58.4756, 0.2955,  
0.2696

 60.6982, 0.2962,  
0.2615

 62.3894, 0.3036,  
0.2629

# Harmonies

## Analogous

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



44.3863, 0.3938, 0.4354



44.3863, 0.3365, 0.4428



44.3863, 0.2758, 0.4090

# Triad

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



44.3863, 0.3365, 0.4428



44.3863, 0.2047, 0.2461



44.3863, 0.4022, 0.3049

# Complementary

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



44.3863, 0.3365, 0.4428



22.0862, 0.2773, 0.2169

# 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.



44.3863, 0.3424, 0.2647



44.3863, 0.3365, 0.4428



44.3863, 0.2306, 0.2311

# Square

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



44.3863, 0.3365, 0.4428



44.3863, 0.2035, 0.2857



44.3863, 0.2791, 0.2385



44.3863, 0.4358, 0.3524



# Rectangle

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



44.3863, 0.3365, 0.4428



44.3863, 0.2417, 0.3686



44.3863, 0.2791, 0.2385



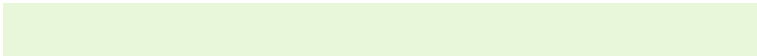
44.3863, 0.3841, 0.2904

# Sweetspot

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



44.3882, 0.3365, 0.4428



88.8922, 0.3203, 0.3597



34.6761, 0.3926, 0.3841



19.4215, 0.3212, 0.3632



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

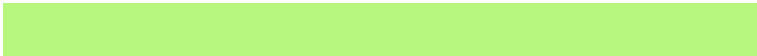


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.3882, 0.3365, 0.4428



78.3866, 0.3399, 0.4690



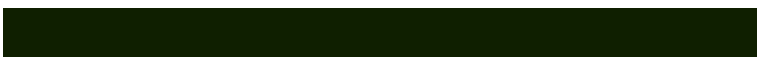
41.4753, 0.3060, 0.4517



10.8654, 0.3186, 0.3522



25.9812, 0.3339, 0.5730



1.0567, 0.3530, 0.5579



# Inverse Universe

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



22.0862, 0.2773, 0.2169



32.6313, 0.2673, 0.1916



26.2015, 0.3188, 0.2308



9.4656, 0.3064, 0.3059



4.3185, 0.2086, 0.0923



0.2078, 0.2346, 0.1066



# Previews

## White Background



This preview shows how the Yxy color 44.3863, 0.3365, 0.4428 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 44.3863, 0.3365, 0.4428 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 44.3863, 0.3365, 0.4428**

## Background



This preview shows how black text looks on a background with the Yxy color 44.3863, 0.3365, 0.4428.



This preview shows how white text looks on a background with the Yxy color 44.3863, 0.3365, 0.4428.

# 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

44.3863, 0.3365, 0.4428

### Protanopia

43.9752, 0.3874, 0.4194

### Deuteranopia

43.8064, 0.4019, 0.3926



## Tritanopia

44.1597, 0.2857, 0.3087

# Trichromacy



**Original Color**

44.3863, 0.3365, 0.4428

**Protanomaly**

44.0250, 0.3680, 0.4281

**Deuteranomaly**

43.6292, 0.3771, 0.4108

**Tritanomaly**

44.1657, 0.3048, 0.3558

# Monochromacy



**Original Color**

44.3863, 0.3365, 0.4428

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

41.2638, 0.3231, 0.3707

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3863, 0.3365, 0.4428 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(149, 190, 112)` looks like.

```
.text, #text, p{  
    color:rgb(149, 190, 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(149, 190, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 190, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3863, 0.3365, 0.4428 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(149, 190, 112) }
```

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

```
.border{ border-color:rgb(149, 190, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 190, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 190, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 190, 112);  
box-shadow:4px 4px 4px 4px rgb(149, 190,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3863, 0.3365, 0.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 190, 112) }
```

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

```
.background{ background-color: rgb(149,  
190, 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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