

# Converting Colors

$Y_{xy}(44.5251, 0.3395, 0.5197)$

Have a look what the booklet for  
Yxy(44.5251, 0.3395, 0.5197)  
contains.

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# Color

**Yxy(44.5251, 0.3395, 0.5197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BC541
RGB	123, 197, 65
RGB Percent	48%, 77%, 25%
CMY	0.5177, 0.2274, 0.7451
CMYK	0.38, 0.00, 0.67, 0.23
HSL	94°, 53%, 51%
HSV	94°, 67%, 77%
XYZ	29.0865, 44.5251, 12.0630
YIQ	159.8260, -1.7320, -56.7400

# Conversions

## Conversions Part 2

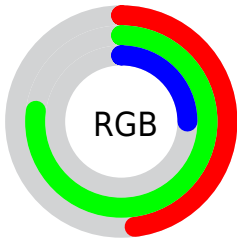
<b>Format</b>	<b>Color</b>
<b>RYB</b>	65, 197, 139
Decimal	8111425
CIELab	72.58, -44.86, 56.66
CIElCh	73, 72.272, 128.368
Yxy	44.5251, 0.3395, 0.5197
Android (android.graphics.Color)	4286301505 (0xFF7BC541)
YUV	159.8260, -46.7492, -32.2964
Hunter-Lab	66.7271, -38.9639, 35.9905

# Details

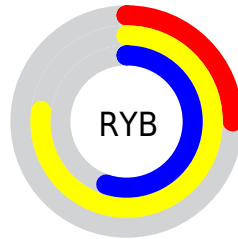
The Yxy color **44.5251, 0.3395, 0.5197** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **13.3056, 0.2510, 0.1476**, and the grayscale version is **35.2886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9188, 0.3393, 0.4826**, and **20.8032, 0.3329, 0.5739** is the 20% darker color. If you saturate the color by 10%, you get **43.5679, 0.3382, 0.5434**, and if you desaturate by 10%, it is **45.6578, 0.3388, 0.4921**.

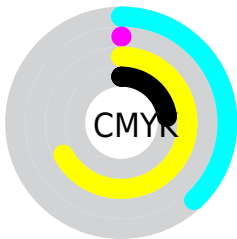
# Distribution



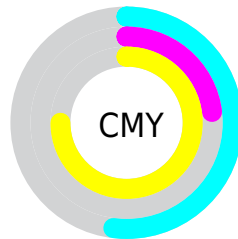
- Red (48%)
- Green (77%)
- Blue (25%)



- Red (25%)
- Yellow (77%)
- Blue (55%)



- Cyan (38%)
- Magenta (0%)
- Yellow (67%)
- Black (23%)




- Cyan (52%)
- Magenta (23%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5251, 0.3395, 0.5197 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 44.5251, 0.3395, 0.5197 by changing the saturation by 10% instead.




 44.5251, 0.3395,  
0.5197


 44.5251, 0.3395,  
0.5197


364.8468, 0.3328,  
0.4192


 31.0835, 0.3382,  
0.5450


 82.0073, 0.3391,  
0.4827


 20.6625, 0.3346,  
0.5767


 106.8167, 0.3383,  
0.4689


 12.8775, 0.3261,  
0.6170

 136.1843, 0.3374,  
0.4573

 7.3442, 0.3156,  
0.6844

 170.4942, 0.3364,  
0.4474

 3.6783, 0.2701,  
0.7299

 210.1311, 0.3354,  
0.4388

 1.4953, 0.1325,  
0.8675

255.4792, 0.3345,

 0.2854, 0.0000,

0.4314

1.0000

306.9230, 0.3336,  
0.4250

■ 0.0000, 0.0000,  
0.0000

■ 44.5251, 0.3395,  
0.5197

■ 44.5251, 0.3395,  
0.5197

■ 43.5679, 0.3382,  
0.5434

■ 45.6578, 0.3388,  
0.4921

■ 42.7686, 0.3350,  
0.5617

■ 46.9704, 0.3363,  
0.4622

■ 42.1141, 0.3300,  
0.5743

■ 48.4744, 0.3325,  
0.4316

■ 41.9391, 0.3284,  
0.5774

■ 50.1783, 0.3277,  
0.4015

■ 52.0901, 0.3224,  
0.3729

■ 54.2173, 0.3167,  
0.3463

■ 56.5672, 0.3110,  
0.3220

■ 59.1465, 0.3054,  
0.3000

■ 61.9615, 0.3000,  
0.2804

# Harmonies

## Analogous

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



44.5251, 0.4289, 0.4907



44.5251, 0.3395, 0.5197



44.5251, 0.2480, 0.4663

# Triad

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



44.5251, 0.3395, 0.5197



44.5251, 0.1525, 0.1994



44.5251, 0.4585, 0.2882

# Complementary

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



44.5251, 0.3395, 0.5197



13.3056, 0.2510, 0.1476

# 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.



44.5251, 0.3587, 0.2320



44.5251, 0.3395, 0.5197



44.5251, 0.1883, 0.1826

# Square

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



44.5251, 0.3395, 0.5197



44.5251, 0.1488, 0.2535



44.5251, 0.2584, 0.1948



44.5251, 0.5099, 0.3542



# Rectangle

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



44.5251, 0.3395, 0.5197



44.5251, 0.1985, 0.3919



44.5251, 0.2584, 0.1948



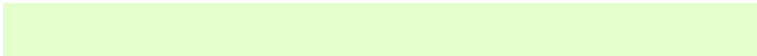
44.5251, 0.4283, 0.2680

# Sweetspot

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



44.5270, 0.3395, 0.5197



92.1127, 0.3242, 0.3821



30.3179, 0.4557, 0.4185



19.5062, 0.3257, 0.3903



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.



44.5270, 0.3395, 0.5197



77.3858, 0.3371, 0.5518



41.5229, 0.3000, 0.5345



12.1119, 0.3181, 0.3524



27.6306, 0.3294, 0.5767



1.3510, 0.3461, 0.5634



# Inverse Universe

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



13.3056, 0.2510, 0.1476



17.6312, 0.2344, 0.1186



19.3886, 0.3277, 0.1855



10.5759, 0.3069, 0.3057



4.9026, 0.2156, 0.0961



0.2745, 0.2370, 0.1079



# Previews

## White Background



This preview shows how the Yxy color 44.5251, 0.3395, 0.5197 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 44.5251, 0.3395, 0.5197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

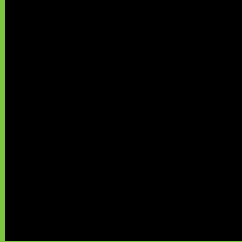
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.5251, 0.3395, 0.5197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.5251, 0.3395, 0.5197.



This preview shows how white text looks on a background with the Yxy color 44.5251, 0.3395, 0.5197.

# 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

44.5251, 0.3395, 0.5197

### Protanopia

43.7763, 0.4227, 0.4646

### Deuteranopia

43.7289, 0.4423, 0.4319



## Tritanopia

44.2441, 0.2701, 0.3082

# Trichromacy



## Original Color

44.5251, 0.3395, 0.5197



## Protanomaly

43.2867, 0.3903, 0.4854



## Deuteranomaly

43.0094, 0.4025, 0.4646



## Tritanomaly

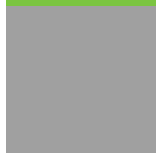
43.8314, 0.2990, 0.3871

# Monochromacy



## Original Color

44.5251, 0.3395, 0.5197



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

37.5709, 0.3289, 0.4028

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5251, 0.3395, 0.5197 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(123, 197, 65)` looks like.

```
.text, #text, p{  
    color:rgb(123, 197, 65)  
}
```

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(123, 197, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 197, 65) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5251, 0.3395, 0.5197 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(123, 197, 65) }
```

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

```
.border{ border-color:rgb(123, 197, 65) }
```

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

Here you see how a box with a 4 pixel rgb(123, 197, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 197, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 197, 65);  
box-shadow:4px 4px 4px 4px rgb(123, 197,  
65) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5251, 0.3395, 0.5197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 197, 65) }
```

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

```
.background{ background-color: rgb(123,  
197, 65) }
```

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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