

# Converting Colors

Yxy(44.6836, 0.3557, 0.5350)

Have a look what the booklet for  
Yxy(44.6836, 0.3557, 0.5350)  
contains.

<b>Yxy(44.5455, 0.3559, 0.5345)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.5455, 0.3559, 0.5345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84C429
RGB	132, 196, 41
RGB Percent	52%, 77%, 16%
CMY	0.4822, 0.2314, 0.8391
CMYK	0.33, 0.00, 0.79, 0.23
HSL	85°, 65%, 46%
HSV	85°, 79%, 77%
XYZ	29.6609, 44.5455, 9.1341
YIQ	159.1940, 11.6110, -61.7730

# Conversions

## Conversions Part 2

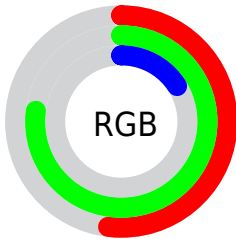
Format	Color
<a href="#">RYB</a>	<a href="#">41, 196, 105</a>
Decimal	<a href="#">8700969</a>
CIELab	<a href="#">72.59, -42.72, 65.19</a>
CIElCh	<a href="#">73, 77.940, 123.234</a>
Yxy	<a href="#">44.5455, 0.3559, 0.5345</a>
Android (android.graphics.Color)	<a href="#">4286891049</a> (0xFF84C429)
YUV	<a href="#">159.1940, -58.2696, -23.8491</a>
Hunter-Lab	<a href="#">66.7424, -37.4723, 38.6055</a>

# Details

The Yxy color **44.5455, 0.3559, 0.5345** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **8.5748, 0.2121, 0.1097**, and the grayscale version is **35.0384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9895, 0.3536, 0.4963**, and **20.8419, 0.3419, 0.5667** is the 20% darker color. If you saturate the color by 10%, you get **43.8156, 0.3536, 0.5497**, and if you desaturate by 10%, it is **45.3979, 0.3558, 0.5143**.

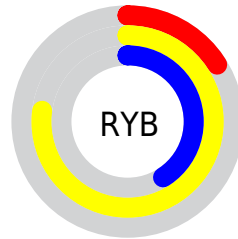
# Distribution



Red (52%)

Green (77%)

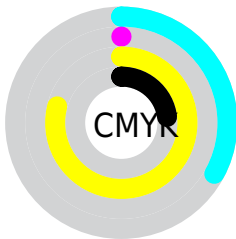
Blue (16%)



Red (16%)

Yellow (77%)

Blue (41%)

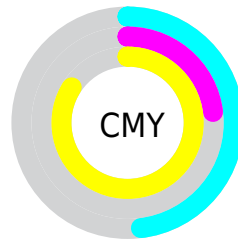


Cyan (33%)

Magenta (0%)

Yellow (79%)

Black (23%)



Cyan (48%)

Magenta (23%)


Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5455, 0.3559, 0.5345 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 44.5455, 0.3559, 0.5345 by changing the saturation by 10% instead.




 44.5455, 0.3559,  
0.5345


 44.5455, 0.3559,  
0.5345


364.9297, 0.3431,  
0.4284

 31.0996, 0.3551,  
0.5598


 82.0380, 0.3540,  
0.4963

 20.6747, 0.3514,  
0.5905


 106.8533, 0.3524,  
0.4818


 12.8864, 0.3429,  
0.6290

 136.2272, 0.3508,  
0.4694

 7.3504, 0.3241,  
0.6759

 170.5442, 0.3491,  
0.4588

 3.6822, 0.2807,  
0.7193

 210.1885, 0.3475,  
0.4497

 1.4974, 0.1586,  
0.8414

 255.5446, 0.3459,

 0.2869, 0.0000,

0.4417

1.0000

306.9968, 0.3445,  
0.4346

■ 0.0000, 0.0000,  
0.0000

■ 44.5455, 0.3559,  
0.5345

■ 44.5455, 0.3559,  
0.5345

■ 43.8156, 0.3536,  
0.5497

■ 45.3979, 0.3558,  
0.5143

■ 43.1860, 0.3494,  
0.5602

■ 46.3771, 0.3534,  
0.4900

■ 43.1308, 0.3490,  
0.5611

■ 47.4936, 0.3490,  
0.4630

■ 48.7550, 0.3430,  
0.4345

■ 50.1686, 0.3359,  
0.4058

■ 51.7406, 0.3281,  
0.3779

■ 53.4771, 0.3200,  
0.3514

■ 55.3838, 0.3120,  
0.3268

■ 57.4661, 0.3041,  
0.3042

# Harmonies

## Analogous

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



44.5455, 0.4486, 0.4886



44.5455, 0.3559, 0.5345



44.5455, 0.2577, 0.4957

# Triad

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



44.5455, 0.3559, 0.5345



44.5455, 0.1404, 0.1973



44.5455, 0.4536, 0.2736

# Complementary

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



44.5455, 0.3559, 0.5345



8.5748, 0.2121, 0.1097

# 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.



44.5455, 0.3417, 0.2176



44.5455, 0.3559, 0.5345



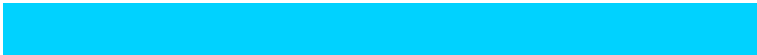
44.5455, 0.1717, 0.1746

# Square

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



44.5455, 0.3559, 0.5345



44.5455, 0.1418, 0.2615



44.5455, 0.2389, 0.1828



44.5455, 0.5201, 0.3411



# Rectangle

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



44.5455, 0.3559, 0.5345



44.5455, 0.2019, 0.4192



44.5455, 0.2389, 0.1828



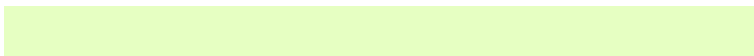
44.5455, 0.4185, 0.2531

# Sweetspot

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



44.5475, 0.3559, 0.5345



92.1866, 0.3323, 0.3926



21.5985, 0.5149, 0.3970



19.5159, 0.3351, 0.4028



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.



44.5475, 0.3559, 0.5345



78.5196, 0.3505, 0.5577



40.4945, 0.3068, 0.5699



11.5445, 0.3203, 0.3522



27.7659, 0.3499, 0.5604



1.2393, 0.3653, 0.5482



# Inverse Universe

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



8.5748, 0.2121, 0.1097



10.9939, 0.1900, 0.0837



15.3362, 0.3010, 0.1555



9.9464, 0.3046, 0.3057



3.7295, 0.1876, 0.0807



0.2015, 0.2137, 0.0951



# Previews

## White Background



This preview shows how the Yxy color 44.5455, 0.3559, 0.5345 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 44.5455, 0.3559, 0.5345 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 44.5455, 0.3559, 0.5345**

## Background



This preview shows how black text looks on a background with the Yxy color 44.5455, 0.3559, 0.5345.



This preview shows how white text looks on a background with the Yxy color 44.5455, 0.3559, 0.5345.

# 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

44.5455, 0.3559, 0.5345

### Protanopia

44.1103, 0.4326, 0.4795

### Deuteranopia

43.8012, 0.4562, 0.4461



## Tritanopia

44.4775, 0.2770, 0.3098

# Trichromacy



## Original Color

44.5455, 0.3559, 0.5345

## Protanomaly

43.9518, 0.4030, 0.5007

## Deuteranomaly

42.8814, 0.4183, 0.4789

## Tritanomaly

43.7892, 0.3126, 0.4000

# Monochromacy



## Original Color

44.5455, 0.3559, 0.5345

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

37.1556, 0.3383, 0.4149

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5455, 0.3559, 0.5345 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(132, 196, 41)` looks like.

```
.text, #text, p{  
    color:rgb(132, 196, 41)  
}
```

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(132, 196, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 196, 41) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5455, 0.3559, 0.5345 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(132, 196, 41) }
```

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

```
.border{ border-color:rgb(132, 196, 41) }
```

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

Here you see how a box with a 4 pixel rgb(132, 196, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 196, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 196, 41);  
box-shadow:4px 4px 4px 4px rgb(132, 196,  
41) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5455, 0.3559, 0.5345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 196, 41) }
```

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

```
.background{ background-color: rgb(132,  
196, 41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor