

# Converting Colors

$Yxy(39.8694, 0.3083, 0.5575)$

Have a look what the booklet for  
Yxy(39.8694, 0.3083, 0.5575)  
contains.

<b>Yxy(39.9721, 0.3086, 0.5579)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(39.9721, 0.3086, 0.5579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42C232
RGB	66, 194, 50
RGB Percent	26%, 76%, 20%
CMY	0.7414, 0.2392, 0.8040
CMYK	0.66, 0.00, 0.74, 0.24
HSL	113°, 59%, 48%
HSV	113°, 74%, 76%
XYZ	22.1104, 39.9721, 9.5649
YIQ	139.3120, -30.0640, -71.9200

# Conversions

## Conversions Part 2

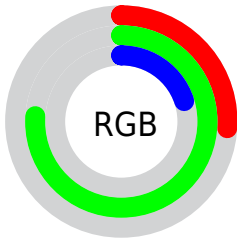
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 194, 178
Decimal	4375090
CIELab	69.45, -60.81, 58.42
CIELCh	69, 84.325, 136.148
Yxy	39.9721, 0.3086, 0.5579
Android (android.graphics.Color)	4282565170 (0xFF42C232)
YUV	139.3120, -44.0308, -64.2946
Hunter-Lab	63.2235, -48.2164, 35.2866

# Details

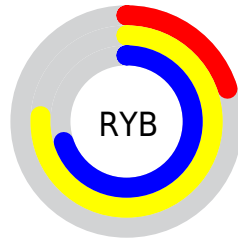
The Yxy color **39.9721, 0.3086, 0.5579** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **15.6471, 0.3003, 0.1606**, and the grayscale version is **26.1201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4072, 0.3155, 0.5103**, and **18.4652, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.3295, 0.3062, 0.5794**, and if you desaturate by 10%, it is **40.8696, 0.3106, 0.5297**.

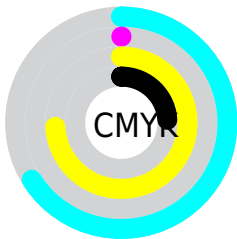
# Distribution



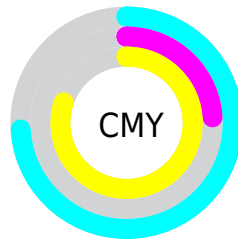
- Red (26%)
- Green (76%)
- Blue (20%)



- Red (20%)
- Yellow (76%)
- Blue (70%)



- Cyan (66%)
- Magenta (0%)
- Yellow (74%)
- Black (24%)




- Cyan (74%)
- Magenta (24%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9721, 0.3086, 0.5579 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 39.9721, 0.3086, 0.5579 by changing the saturation by 10% instead.





 39.9721, 0.3086,  
0.5579


 39.9721, 0.3086,  
0.5579


346.0060, 0.3198,  
0.4327

 27.5168, 0.3017,  
0.5907


 75.1210, 0.3155,  
0.5107


 17.9617, 0.2902,  
0.6325

 98.5834, 0.3172,  
0.4934


 10.9225, 0.2707,  
0.6871


 126.4837, 0.3183,  
0.4789

 6.0148, 0.2376,  
0.7624

 159.2061, 0.3190,  
0.4668

 2.8541, 0.1645,  
0.8355

 197.1352, 0.3194,  
0.4564

 1.0560, 0.0000,  
1.0000

 240.6552, 0.3196,

 0.0000, 0.0000,

0.4474

0.0000

290.1507, 0.3198,  
0.4396

■ 39.9721, 0.3086,  
0.5579

■ 39.9721, 0.3086,  
0.5579

■ 39.3295, 0.3062,  
0.5794

■ 40.8696, 0.3106,  
0.5297

■ 38.9103, 0.3037,  
0.5929

■ 42.0397, 0.3121,  
0.4972

■ 38.7526, 0.3026,  
0.5979

■ 43.5042, 0.3131,  
0.4627

■ 45.2814, 0.3136,  
0.4284

■ 47.3880, 0.3137,  
0.3959

■ 49.8396, 0.3134,  
0.3661

■ 52.6507, 0.3130,  
0.3394

■ 55.8351, 0.3123,  
0.3158

■ 59.4058, 0.3116,  
0.2952

# Harmonies

## Analogous

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



39.9721, 0.4151, 0.5320



39.9721, 0.3086, 0.5579



39.9721, 0.2083, 0.4658

# Triad

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



39.9721, 0.3086, 0.5579



39.9721, 0.1360, 0.1694



39.9721, 0.5116, 0.2965

# Complementary

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



39.9721, 0.3086, 0.5579



15.6471, 0.3003, 0.1606

# 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.



39.9721, 0.4003, 0.2306



39.9721, 0.3086, 0.5579



39.9721, 0.1846, 0.1614

# Square

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



39.9721, 0.3086, 0.5579



39.9721, 0.1221, 0.2157



39.9721, 0.2749, 0.1829



39.9721, 0.5478, 0.3705

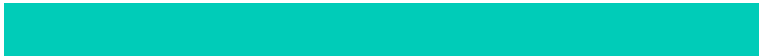


# Rectangle

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



39.9721, 0.3086, 0.5579



39.9721, 0.1599, 0.3650



39.9721, 0.2749, 0.1829



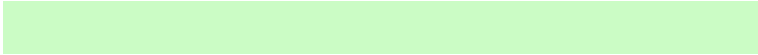
39.9721, 0.4806, 0.2733

# Sweetspot

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



39.9738, 0.3086, 0.5579



86.6361, 0.3136, 0.3900



43.2265, 0.4234, 0.4743



18.7205, 0.3137, 0.3987



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.



39.9738, 0.3086, 0.5579



70.7340, 0.3047, 0.5887



40.2893, 0.2777, 0.4829



11.3110, 0.3132, 0.3527



25.4942, 0.3031, 0.5976



1.1197, 0.3129, 0.5898



# Inverse Universe

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



15.6471, 0.3003, 0.1606



24.3000, 0.2958, 0.1440



15.6084, 0.4032, 0.2245



10.1891, 0.3120, 0.3062



8.3880, 0.2934, 0.1390

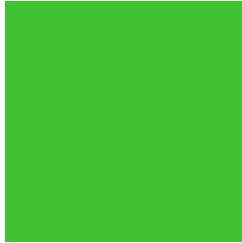


0.3789, 0.3000, 0.1426



# Previews

## White Background



This preview shows how the Yxy color 39.9721, 0.3086, 0.5579 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 39.9721, 0.3086, 0.5579 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 39.9721, 0.3086, 0.5579**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9721, 0.3086, 0.5579.



This preview shows how white text looks on a background with the Yxy color 39.9721, 0.3086, 0.5579.

# 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

39.9721, 0.3086, 0.5579

### Protanopia

39.3692, 0.4291, 0.4744

### Deuteranopia

39.2134, 0.4473, 0.4377



## Tritanopia

39.7426, 0.2447, 0.3064

# Trichromacy



## Original Color

39.9721, 0.3086, 0.5579



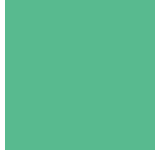
## Protanomaly

37.9673, 0.3756, 0.5108



## Deuteranomaly

37.0899, 0.3877, 0.4850



## Tritanomaly

39.1757, 0.2712, 0.4003

# Monochromacy



## Original Color

39.9721, 0.3086, 0.5579



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

29.3026, 0.3129, 0.4219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9721, 0.3086, 0.5579 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(66, 194, 50)` looks like.

```
.text, #text, p{  
    color:rgb(66, 194, 50)  
}
```

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(66, 194, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 194, 50) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9721, 0.3086, 0.5579 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(66, 194, 50) }
```

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

```
.border{ border-color:rgb(66, 194, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 194, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 194, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 194, 50);  
box-shadow:4px 4px 4px 4px rgb(66, 194,  
50) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9721, 0.3086, 0.5579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 194, 50) }
```

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

```
.background{ background-color: rgb(66, 194,  
50) }
```

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