

# Converting Colors

$Yxy(39.4923, 0.2716, 0.4941)$

Have a look what the booklet for  
Yxy(39.4923, 0.2716, 0.4941)  
contains.

<b>Yxy(39.5877, 0.2715, 0.4939)</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(39.5877, 0.2715, 0.4939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0AC265
RGB	10, 194, 101
RGB Percent	4%, 76%, 40%
CMY	0.9624, 0.2392, 0.6039
CMYK	0.95, 0.00, 0.48, 0.24
HSL	150°, 91%, 40%
HSV	150°, 95%, 76%
XYZ	21.7616, 39.5877, 18.8040
YIQ	128.3820, -79.8110, -67.9310

# Conversions

## Conversions Part 2

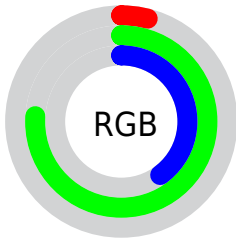
Format	Color
<a href="#">RYB</a>	<a href="#">10, 133, 194</a>
Decimal	<a href="#">705125</a>
CIELab	<a href="#">69.17, -61.25, 35.48</a>
CIELCh	<a href="#">69, 70.783, 149.920</a>
Yxy	<a href="#">39.5877, 0.2715, 0.4939</a>
Android (android.graphics.Color)	<a href="#">4278895205 (0xFF0AC265)</a>
YUV	<a href="#">128.3820, -13.4993, -103.8210</a>
Hunter-Lab	<a href="#">62.9188, -48.3703, 26.3237</a>

# Details

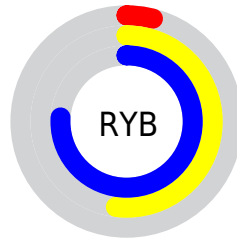
The Yxy color **39.5877, 0.2715, 0.4939** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.6498, 0.4831, 0.2466**, and the grayscale version is **21.7504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6874, 0.2822, 0.4589**, and **18.7132, 0.2822, 0.5361** is the 20% darker color. If you saturate the color by 10%, you get **39.4355, 0.2730, 0.5028**, and if you desaturate by 10%, it is **39.9918, 0.2693, 0.4752**.

# Distribution



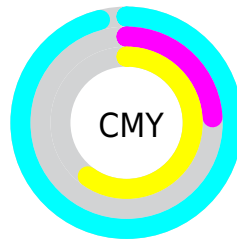
- Red (4%)
- Green (76%)
- Blue (40%)



- Red (4%)
- Yellow (52%)
- Blue (76%)



- Cyan (95%)
- Magenta (0%)
- Yellow (48%)
- Black (24%)




- Cyan (96%)
- Magenta (24%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5877, 0.2715, 0.4939 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 39.5877, 0.2715, 0.4939 by changing the saturation by 10% instead.




 39.5877, 0.2715,  
0.4939

 39.5877, 0.2715,  
0.4939


344.3827, 0.2966,  
0.4023

 27.2172, 0.2635,  
0.5197


 74.5353, 0.2819,  
0.4584

 17.7364, 0.2520,  
0.5545


 97.8812, 0.2854,  
0.4457


 10.7609, 0.2347,  
0.6033


 125.6543, 0.2882,  
0.4353

 5.9063, 0.2066,  
0.6748

 158.2391, 0.2905,  
0.4265

 2.7882, 0.1578,  
0.8422

 196.0199, 0.2924,  
0.4191

 1.0222, 0.0000,  
1.0000

239.3812, 0.2941,

 0.0000, 0.0000,

0.4127

0.0000

288.7074, 0.2954,  
0.4071

■ 39.5877, 0.2715,  
0.4939

■ 39.5877, 0.2715,  
0.4939

■ 39.4355, 0.2730,  
0.5028

■ 39.9918, 0.2693,  
0.4752

■ 40.5955, 0.2689,  
0.4558

■ 41.4303, 0.2706,  
0.4360

■ 42.5206, 0.2741,  
0.4165

■ 43.8876, 0.2791,  
0.3977

■ 45.5503, 0.2854,  
0.3800

■ 47.5260, 0.2926,  
0.3636

■ 49.8305, 0.3004,  
0.3487

■ 52.4785, 0.3085,  
0.3352

# Harmonies

## Analogous

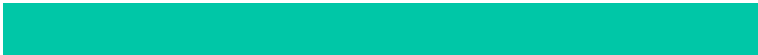
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.5877, 0.3661, 0.5217



39.5877, 0.2715, 0.4939



39.5877, 0.1933, 0.3866

# Triad

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



39.5877, 0.2715, 0.4939



39.5877, 0.1729, 0.1820



39.5877, 0.5057, 0.3347

# Complementary

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



39.5877, 0.2715, 0.4939



12.6498, 0.4831, 0.2466

# 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.



39.5877, 0.4355, 0.2700



39.5877, 0.2715, 0.4939



39.5877, 0.2338, 0.1867

# Square

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



39.5877, 0.2715, 0.4939



39.5877, 0.1460, 0.2084



39.5877, 0.3287, 0.2177



39.5877, 0.5077, 0.4050



# Rectangle

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



39.5877, 0.2715, 0.4939



39.5877, 0.1610, 0.3087



39.5877, 0.3287, 0.2177



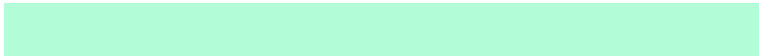
39.5877, 0.4892, 0.3123

# Sweetspot

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



39.5893, 0.2715, 0.4939



84.4495, 0.2894, 0.3706



41.6044, 0.3412, 0.5642



18.1613, 0.2863, 0.3779



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.



39.5893, 0.2715, 0.4939



71.3877, 0.2737, 0.5055



42.4086, 0.2266, 0.3336



11.3402, 0.3050, 0.3409



25.9413, 0.2723, 0.5004



1.1348, 0.2609, 0.4591



# Inverse Universe

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



12.6498, 0.4831, 0.2466



22.3203, 0.4981, 0.2518



11.7068, 0.6303, 0.3290



10.1607, 0.3212, 0.3174



8.1352, 0.4919, 0.2483

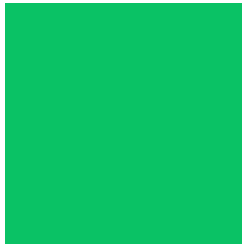


0.3654, 0.4438, 0.2218



# Previews

## White Background



This preview shows how the Yxy color 39.5877, 0.2715, 0.4939 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 39.5877, 0.2715, 0.4939 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 39.5877, 0.2715, 0.4939**

## Background



This preview shows how black text looks on a background with the Yxy color 39.5877, 0.2715, 0.4939.



This preview shows how white text looks on a background with the Yxy color 39.5877, 0.2715, 0.4939.

# 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

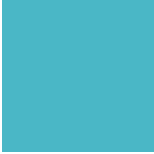
39.5877, 0.2715, 0.4939

### Protanopia

38.9683, 0.3948, 0.4309

### Deuteranopia

38.6632, 0.4025, 0.3948



## **Tritanopia**

39.4000, 0.2325, 0.3059

# Trichromacy



## Original Color

39.5877, 0.2715, 0.4939



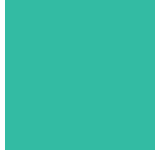
## Protanomaly

36.3355, 0.3271, 0.4629



## Deuteranomaly

35.3709, 0.3292, 0.4359



## Tritanomaly

38.8888, 0.2442, 0.3688

# Monochromacy



## Original Color

39.5877, 0.2715, 0.4939



## Achromatopsia

21.5861, 0.3127, 0.3290



## Achromatomaly

25.6958, 0.2803, 0.3948

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5877, 0.2715, 0.4939 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(10, 194, 101)` looks like.

```
.text, #text, p{  
    color:rgb(10, 194, 101)  
}
```

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(10, 194, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 194, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5877, 0.2715, 0.4939 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(10, 194, 101) }
```

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

```
.border{ border-color:rgb(10, 194, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 194, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 194, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 194, 101);  
box-shadow:4px 4px 4px 4px rgb(10, 194,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5877, 0.2715, 0.4939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 194, 101) }
```

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

```
.background{ background-color: rgb(10, 194,  
101) }
```

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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