

Converting Colors

$Y_{xy}(39.9157, 0.2939, 0.5760)$

Have a look what the booklet for
Yxy(39.9157, 0.2939, 0.5760)
contains.

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Color

Yxy(39.6940, 0.2939, 0.5759)

Conversions

Conversions Part 1

Format	Color
Hex	05C42C
RGB	5, 196, 44
RGB Percent	2%, 77%, 17%
CMY	0.9802, 0.2314, 0.8275
CMYK	0.97, 0.00, 0.78, 0.23
HSL	132°, 95%, 39%
HSV	132°, 97%, 77%
XYZ	20.2571, 39.6940, 8.9741
YIQ	121.5630, -65.0440, -87.7640

Conversions

Conversions Part 2

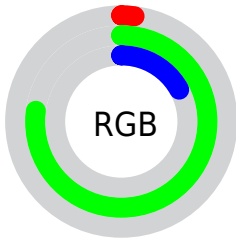
Format	Color
RYB	5, 164, 196
Decimal	377900
CIELab	69.25, -68.80, 59.95
CIELCh	69, 91.251, 138.932
Yxy	39.6940, 0.2939, 0.5759
Android (android.graphics.Color)	4278567980 (0xFF05C42C)
YUV	121.5630, -38.2386, -102.2258
Hunter-Lab	63.0032, -52.8633, 35.6571

Details

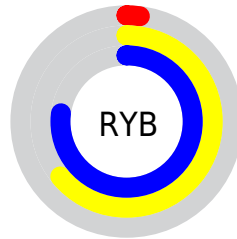
The Yxy color **39.6940, 0.2939, 0.5759** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.2824, 0.3786, 0.1870**, and the grayscale version is **19.4593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7068, 0.3044, 0.5241**, and **18.7562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.6344, 0.2944, 0.5799**, and if you desaturate by 10%, it is **40.0054, 0.2917, 0.5573**.

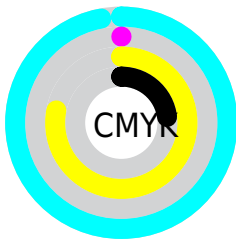
Distribution



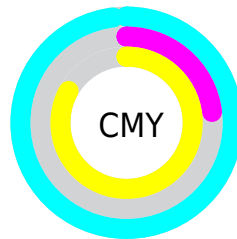
- Red (2%)
- Green (77%)
- Blue (17%)



- Red (2%)
- Yellow (64%)
- Blue (77%)



- Cyan (97%)
- Magenta (0%)
- Yellow (78%)
- Black (23%)



- Cyan (98%)
- Magenta (23%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6940, 0.2939, 0.5759 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 39.6940, 0.2939, 0.5759 by changing the saturation by 10% instead.


 39.6940, 0.2939,
0.5759


 39.6940, 0.2939,
0.5759

344.8321, 0.3138,
0.4396


 27.3000, 0.2844,
0.6118


 74.6973, 0.3043,
0.5243

 17.7987, 0.2694,
0.6576


 98.0755, 0.3072,
0.5054

 10.8056, 0.2456,
0.7185


 125.8838, 0.3092,
0.4897

 5.9362, 0.2049,
0.7951

 158.5067, 0.3107,
0.4765

 2.8063, 0.1098,
0.8902

 196.3286, 0.3119,
0.4652

 1.0315, 0.0000,
1.0000

 239.7339, 0.3127,

 0.0000, 0.0000,

0.4555

0.0000

289.1069, 0.3133,
0.4471

■ 39.6940, 0.2939,
0.5759

■ 39.6940, 0.2939,
0.5759

■ 39.6344, 0.2944,
0.5799

■ 40.0054, 0.2917,
0.5573

■ 40.5329, 0.2905,
0.5337

■ 41.3179, 0.2907,
0.5062

■ 42.3896, 0.2921,
0.4767

■ 43.7728, 0.2945,
0.4468

■ 45.4898, 0.2978,
0.4178

■ 47.5607, 0.3015,
0.3907

■ 50.0042, 0.3055,
0.3659

■ 52.8374, 0.3097,
0.3438

Harmonies

Analogous

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



39.6940, 0.4070, 0.5509



39.6940, 0.2939, 0.5759



39.6940, 0.1908, 0.4640

Triad

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



39.6940, 0.2939, 0.5759



39.6940, 0.1291, 0.1573



39.6940, 0.5352, 0.2990

Complementary

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



39.6940, 0.2939, 0.5759



14.2824, 0.3786, 0.1870

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.



39.6940, 0.4199, 0.2296



39.6940, 0.2939, 0.5759



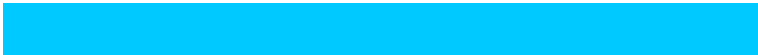
39.6940, 0.1830, 0.1526

Square

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



39.6940, 0.2939, 0.5759



39.6940, 0.1114, 0.1999



39.6940, 0.2826, 0.1777



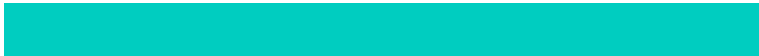
39.6940, 0.5624, 0.3760

Rectangle

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



39.6940, 0.2939, 0.5759



39.6940, 0.1437, 0.3517



39.6940, 0.2826, 0.1777



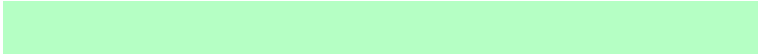
39.6940, 0.5044, 0.2748

Sweetspot

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



39.6956, 0.2939, 0.5759



85.3411, 0.3007, 0.3960



46.7425, 0.3846, 0.5314



17.9138, 0.2991, 0.4077



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.



39.6956, 0.2939, 0.5759



71.7678, 0.2950, 0.5819



41.3697, 0.2524, 0.4273



11.2917, 0.3089, 0.3478



25.4760, 0.2939, 0.5779



1.1109, 0.2821, 0.5357

Inverse Universe

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



14.2824, 0.3786, 0.1870



25.5723, 0.3817, 0.1876



12.1972, 0.5696, 0.2932



10.2112, 0.3168, 0.3109



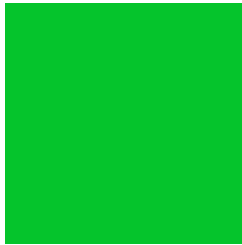
9.0965, 0.3796, 0.1865



0.4022, 0.3642, 0.1780

Previews

White Background



This preview shows how the Yxy color 39.6940, 0.2939, 0.5759 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 39.6940, 0.2939, 0.5759 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 39.6940, 0.2939, 0.5759

Background



This preview shows how black text looks on a background with the Yxy color 39.6940, 0.2939, 0.5759.



This preview shows how white text looks on a background with the Yxy color 39.6940, 0.2939, 0.5759.

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

39.6940, 0.2939, 0.5759

Protanopia

38.9577, 0.4324, 0.4769

Deuteranopia

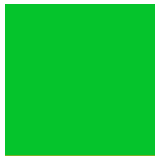
38.6778, 0.4498, 0.4403



Tritanopia

39.6475, 0.2358, 0.3075

Trichromacy



Original Color

39.6940, 0.2939, 0.5759



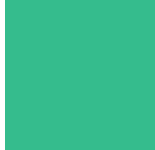
Protanomaly

36.1316, 0.3569, 0.5301



Deuteranomaly

34.9223, 0.3671, 0.5045



Tritanomaly

38.6464, 0.2573, 0.4099

Monochromacy



Original Color

39.6940, 0.2939, 0.5759



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

23.9653, 0.2944, 0.4411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6940, 0.2939, 0.5759 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(5, 196, 44)` looks like.

```
.text, #text, p{  
    color:rgb(5, 196, 44)  
}
```

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(5, 196, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 196, 44) }
```

Border

The CSS property to change the border of an element to Yxy 39.6940, 0.2939, 0.5759 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(5, 196, 44) }
```

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

```
.border{ border-color:rgb(5, 196, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 196, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 196, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 196, 44);  
box-shadow:4px 4px 4px 4px rgb(5, 196, 44)  
}
```


Background

The CSS property to change the background color of an element to Yxy 39.6940, 0.2939, 0.5759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 196, 44) }
```

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

```
.background{ background-color: rgb(5, 196,  
44) }
```

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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