

Converting Colors

$Y_{xy}(39.6997, 0.3013, 0.5987)$

Have a look what the booklet for
Yxy(39.6997, 0.3013, 0.5987)
contains.

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Color

Yxy(39.5676, 0.3013, 0.5986)

Conversions

Conversions Part 1

Format	Color
Hex	0DC401
RGB	13, 196, 1
RGB Percent	5%, 77%, 0%
CMY	0.9474, 0.2314, 0.9960
CMYK	0.93, 0.00, 0.99, 0.23
HSL	116°, 99%, 39%
HSV	116°, 99%, 77%
XYZ	19.9160, 39.5676, 6.6166
YIQ	119.0530, -46.4730, -99.4410

Conversions

Conversions Part 2

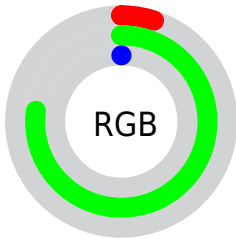
Format	Color
RYB	1, 196, 184
Decimal	902145
CIELab	69.16, -70.09, 68.20
CIELCh	69, 97.796, 135.785
Yxy	39.5676, 0.3013, 0.5986
Android (android.graphics.Color)	4279092225 (0xFF0DC401)
YUV	119.0530, -58.2001, -93.0085
Hunter-Lab	62.9028, -53.5640, 37.7953

Details

The Yxy color **39.5676, 0.3013, 0.5986** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **14.1505, 0.3051, 0.1456**, and the grayscale version is **18.7067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4661, 0.3120, 0.5440**, and **18.7562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.5597, 0.3013, 0.5990**, and if you desaturate by 10%, it is **39.8344, 0.3027, 0.5893**.

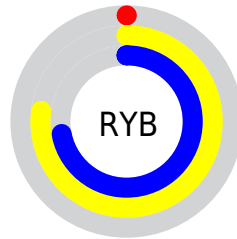
Distribution



Red (5%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (72%)

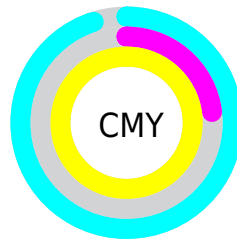


Cyan (93%)

Magenta (0%)

Yellow (99%)

Black (23%)



Cyan (95%)


Magenta (23%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5676, 0.3013, 0.5986 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 39.5676, 0.3013, 0.5986 by changing the saturation by 10% instead.

 39.5676, 0.3013,
0.5986


 39.5676, 0.3013,
0.5986


344.2977, 0.3204,
0.4515


 27.2016, 0.2908,
0.6357

 74.5046, 0.3123,
0.5439


 17.7247, 0.2737,
0.6813


 97.8444, 0.3152,
0.5235


 10.7525, 0.2500,
0.7500


 125.6109, 0.3171,
0.5065

 5.9007, 0.1994,
0.8006

 158.1885, 0.3184,
0.4920

 2.7848, 0.0987,
0.9013

 195.9615, 0.3192,
0.4797

 1.0204, 0.0000,
1.0000

 239.3145, 0.3198,

 0.0000, 0.0000,

0.4690

0.0000

288.6318, 0.3202,
0.4597

■ 39.5676, 0.3013,
0.5986

■ 39.5676, 0.3013,
0.5986

■ 39.5597, 0.3013,
0.5990

■ 39.8344, 0.3027,
0.5893

■ 40.3143, 0.3045,
0.5723

■ 41.0489, 0.3063,
0.5475

■ 42.0673, 0.3080,
0.5166

■ 43.3943, 0.3095,
0.4824

■ 45.0524, 0.3107,
0.4473

■ 47.0616, 0.3115,
0.4132

■ 49.4406, 0.3121,
0.3816

■ 52.2067, 0.3125,
0.3530

Harmonies

Analogous

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



39.5676, 0.4193, 0.5528



39.5676, 0.3013, 0.5986



39.5676, 0.1915, 0.4938

Triad

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



39.5676, 0.3013, 0.5986



39.5676, 0.1170, 0.1509



39.5676, 0.5412, 0.2871

Complementary

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



39.5676, 0.3013, 0.5986



14.1505, 0.3051, 0.1456

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.



39.5676, 0.4108, 0.2170



39.5676, 0.3013, 0.5986



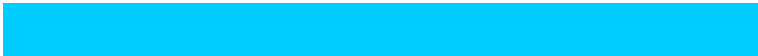
39.5676, 0.1679, 0.1432

Square

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



39.5676, 0.3013, 0.5986



39.5676, 0.1021, 0.1990



39.5676, 0.2665, 0.1660



39.5676, 0.5783, 0.3649

Rectangle

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



39.5676, 0.3013, 0.5986



39.5676, 0.1397, 0.3703



39.5676, 0.2665, 0.1660



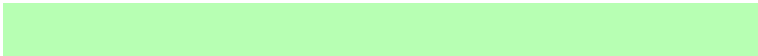
39.5676, 0.5053, 0.2626

Sweetspot

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



39.5692, 0.3013, 0.5986



84.8658, 0.3115, 0.4165



45.6040, 0.4313, 0.4954



17.8200, 0.3111, 0.4310



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.



39.5692, 0.3013, 0.5986



71.6319, 0.3010, 0.5992



40.1490, 0.2785, 0.5222



11.2887, 0.3125, 0.3527



25.4334, 0.3016, 0.5987



1.1096, 0.3075, 0.5940

Inverse Universe

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



14.1505, 0.3051, 0.1456



25.5368, 0.3047, 0.1452



12.9167, 0.4675, 0.2352



10.2139, 0.3128, 0.3062



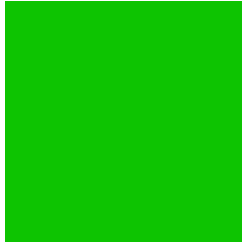
9.0874, 0.3052, 0.1455



0.4026, 0.3089, 0.1476

Previews

White Background



This preview shows how the Yxy color 39.5676, 0.3013, 0.5986 looks on a white background.

Color Contrast Check

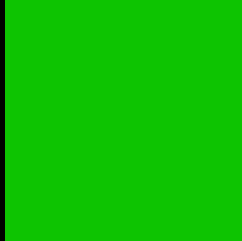
Large Text (above 18pt) WCAG AA × Fail

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 39.5676, 0.3013, 0.5986 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 39.5676, 0.3013, 0.5986

Background



This preview shows how black text looks on a background with the Yxy color 39.5676, 0.3013, 0.5986.



This preview shows how white text looks on a background with the Yxy color 39.5676, 0.3013, 0.5986.

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

39.5676, 0.3013, 0.5986

Protanopia

38.8241, 0.4403, 0.4886

Deuteranopia

38.6651, 0.4600, 0.4515



Tritanopia

39.3261, 0.2363, 0.3060

Trichromacy



Original Color

39.5676, 0.3013, 0.5986



Protanomaly

36.2008, 0.3678, 0.5462



Deuteranomaly

35.0731, 0.3813, 0.5225



Tritanomaly

37.9465, 0.2674, 0.4358

Monochromacy



Original Color

39.5676, 0.3013, 0.5986



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

23.1386, 0.3102, 0.4744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5676, 0.3013, 0.5986 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(13, 196, 1)` looks like.

```
.text, #text, p{  
    color:rgb(13, 196, 1)  
}
```

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(13, 196, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 196, 1) }
```

Border

The CSS property to change the border of an element to Yxy 39.5676, 0.3013, 0.5986 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(13, 196, 1) }
```

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

```
.border{ border-color:rgb(13, 196, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 196, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 196, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 196, 1);  
box-shadow:4px 4px 4px 4px rgb(13, 196, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 39.5676, 0.3013, 0.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 196, 1) }
```

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

```
.background{ background-color: rgb(13, 196,  
1) }
```

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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