

Converting Colors

$Y_{xy}(38.9245, 0.3005, 0.5995)$

Have a look what the booklet for
Yxy(38.9245, 0.3005, 0.5995)
contains.

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Color

Yxy(39.0625, 0.3005, 0.5996)

Conversions

Conversions Part 1

Format	Color
Hex	05C300
RGB	5, 195, 0
RGB Percent	2%, 76%, 0%
CMY	0.9808, 0.2353, 0.9999
CMYK	0.97, 0.00, 1.00, 0.24
HSL	118°, 100%, 38%
HSV	118°, 100%, 76%
XYZ	19.5769, 39.0625, 6.5082
YIQ	115.9600, -50.6450, -100.9250

Conversions

Conversions Part 2

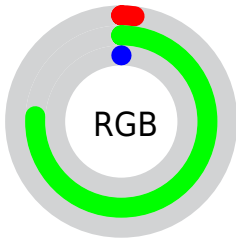
Format	Color
RYB	0, 195, 190
Decimal	377600
CIELab	68.80, -70.22, 68.00
CIELCh	69, 97.750, 135.919
Yxy	39.0625, 0.3005, 0.5996
Android (android.graphics.Color)	4278567680 (0xFF05C300)
YUV	115.9600, -57.1683, -97.3119
Hunter-Lab	62.5000, -53.4635, 37.5760

Details

The Yxy color **39.0625, 0.3005, 0.5996** 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 **14.9049, 0.3147, 0.1507**, and the grayscale version is **17.6353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7581, 0.3120, 0.5447**, and **18.4652, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.0639, 0.3005, 0.5996**, and if you desaturate by 10%, it is **39.2744, 0.3012, 0.5910**.

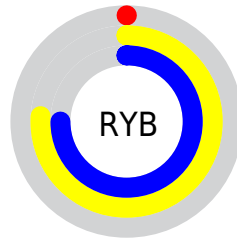
Distribution



Red (2%)

Green (76%)

Blue (0%)



Red (0%)

Yellow (76%)

Blue (75%)

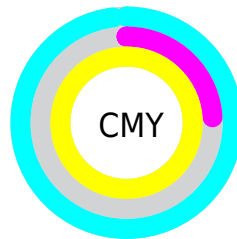


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (98%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0625, 0.3005, 0.5996 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 39.0625, 0.3005, 0.5996 by changing the saturation by 10% instead.


 39.0625, 0.3005,
0.5996


 39.0625, 0.3005,
0.5996


342.1561, 0.3201,
0.4516


 26.8084, 0.2898,
0.6370


 73.7338, 0.3117,
0.5445

 17.4293, 0.2724,
0.6831


 96.9197, 0.3147,
0.5240


 10.5411, 0.2480,
0.7520

 124.5184, 0.3166,
0.5068

 5.7592, 0.1967,
0.8033

 156.9141, 0.3179,
0.4923

 2.6992, 0.0890,
0.9110

 194.4914, 0.3188,
0.4799

 0.9768, 0.0000,
1.0000

 237.6345, 0.3194,

 0.0000, 0.0000,

0.4692

0.0000

286.7280, 0.3198,
0.4598

■ 39.0625, 0.3005,
0.5996

■ 39.0625, 0.3005,
0.5996

■ 39.0639, 0.3005,
0.5996

■ 39.2744, 0.3012,
0.5910

■ 39.6912, 0.3023,
0.5748

■ 40.3656, 0.3038,
0.5504

■ 41.3303, 0.3053,
0.5197

■ 42.6130, 0.3069,
0.4853

■ 44.2382, 0.3084,
0.4498

■ 46.2280, 0.3098,
0.4153

■ 48.6027, 0.3109,
0.3833

■ 51.3811, 0.3119,
0.3544

Harmonies

Analogous

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



39.0625, 0.4188, 0.5538



39.0625, 0.3005, 0.5996



39.0625, 0.1906, 0.4938

Triad

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



39.0625, 0.3005, 0.5996



39.0625, 0.1167, 0.1503



39.0625, 0.5425, 0.2872

Complementary

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



39.0625, 0.3005, 0.5996



14.9049, 0.3147, 0.1507

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.



39.0625, 0.4119, 0.2169



39.0625, 0.3005, 0.5996



39.0625, 0.1678, 0.1428

Square

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



39.0625, 0.3005, 0.5996



39.0625, 0.1016, 0.1982



39.0625, 0.2668, 0.1657



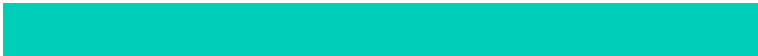
39.0625, 0.5790, 0.3651

Rectangle

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



39.0625, 0.3005, 0.5996



39.0625, 0.1389, 0.3696



39.0625, 0.2668, 0.1657



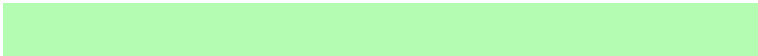
39.0625, 0.5065, 0.2626

Sweetspot

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



39.0641, 0.3005, 0.5996



82.6039, 0.3097, 0.4169



47.7857, 0.4253, 0.5005



17.7389, 0.3091, 0.4316



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.



39.0641, 0.3005, 0.5996



69.9445, 0.3004, 0.5997



39.7882, 0.2757, 0.5124



11.2706, 0.3120, 0.3528



25.3935, 0.3006, 0.5995



1.1014, 0.3030, 0.5976

Inverse Universe

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



14.9049, 0.3147, 0.1507



26.6746, 0.3146, 0.1507



12.6032, 0.4825, 0.2432



10.2343, 0.3134, 0.3063



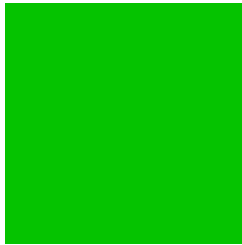
9.6921, 0.3148, 0.1508



0.4229, 0.3162, 0.1516

Previews

White Background



This preview shows how the Yxy color 39.0625, 0.3005, 0.5996 looks on a white background.

Color Contrast Check

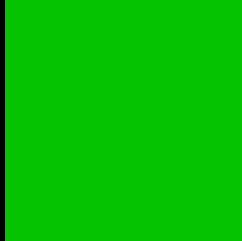
Large Text (above 18pt) WCAG AA × Fail

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 39.0625, 0.3005, 0.5996 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

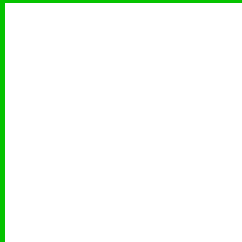
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0625, 0.3005, 0.5996

Background



This preview shows how black text looks on a background with the Yxy color 39.0625, 0.3005, 0.5996.



This preview shows how white text looks on a background with the Yxy color 39.0625, 0.3005, 0.5996.

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

39.0625, 0.3005, 0.5996

Protanopia

38.3288, 0.4404, 0.4885

Deuteranopia

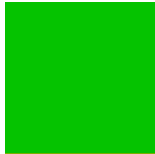
38.1762, 0.4602, 0.4511



Tritanopia

38.8271, 0.2361, 0.3059

Trichromacy



Original Color

39.0625, 0.3005, 0.5996



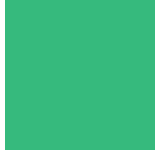
Protanomaly

35.5092, 0.3647, 0.5486



Deuteranomaly

34.3558, 0.3781, 0.5247



Tritanomaly

37.3827, 0.2662, 0.4368

Monochromacy



Original Color

39.0625, 0.3005, 0.5996



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

22.2817, 0.3075, 0.4777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0625, 0.3005, 0.5996 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, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 195, 0)  
}
```

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, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 195, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.0625, 0.3005, 0.5996 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, 195, 0) }
```

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

```
.border{ border-color:rgb(5, 195, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 195, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 195, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 195, 0); box-shadow:4px  
4px 4px 4px rgb(5, 195, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0625, 0.3005, 0.5996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 195, 0) }
```

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

```
.background{ background-color: rgb(5, 195,  
0) }
```

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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