

Converting Colors

$Y_{xy}(39.1978, 0.3436, 0.5654)$

Have a look what the booklet for
Yxy(39.1978, 0.3436, 0.5654)
contains.

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Color

Yxy(39.3382, 0.3436, 0.5654)

Conversions

Conversions Part 1

Format	Color
Hex	68BD00
RGB	104, 189, 0
RGB Percent	41%, 74%, 0%
CMY	0.5922, 0.2588, 1.0000
CMYK	0.45, 0.00, 1.00, 0.26
HSL	87°, 100%, 37%
HSV	87°, 100%, 74%
XYZ	23.9063, 39.3382, 6.3314
YIQ	142.0390, 10.0090, -76.7990

Conversions

Conversions Part 2

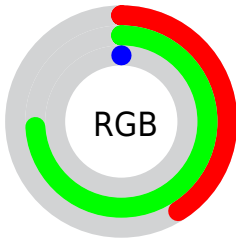
Format	Color
RYB	0, 189, 85
Decimal	6864128
CIELab	69.00, -50.74, 69.06
CIELCh	69, 85.698, 126.307
Yxy	39.3382, 0.3436, 0.5654
Android (android.graphics.Color)	4285054208 (0xFF68BD00)
YUV	142.0390, -70.0252, -33.3602
Hunter-Lab	62.7202, -41.7237, 37.9190

Details

The Yxy color **39.3382, 0.3436, 0.5654** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **5.6058, 0.1928, 0.0836**, and the grayscale version is **27.3471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1574, 0.3456, 0.5203**, and **17.7994, 0.3160, 0.5873** is the 20% darker color. If you saturate the color by 10%, you get **39.3400, 0.3436, 0.5654**, and if you desaturate by 10%, it is **39.9213, 0.3482, 0.5546**.

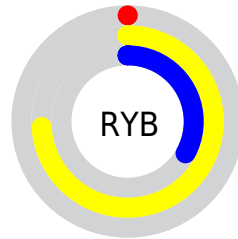
Distribution



Red (41%)

Green (74%)

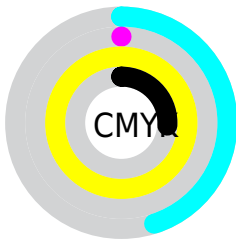
Blue (0%)



Red (0%)

Yellow (74%)

Blue (33%)

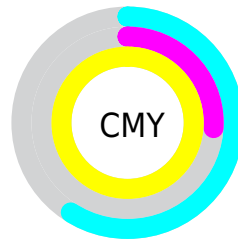


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (59%)

Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3382, 0.3436, 0.5654 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 39.3382, 0.3436, 0.5654 by changing the saturation by 10% instead.

 39.3382, 0.3436,
0.5654


 39.3382, 0.3436,
0.5654


343.3262, 0.3397,
0.4404


 27.0229, 0.3391,
0.5954


 74.1547, 0.3460,
0.5200

 17.5904, 0.3296,
0.6315


 97.4247, 0.3457,
0.5028

 10.6564, 0.3157,
0.6843


 125.1151, 0.3449,
0.4883

 5.8363, 0.2767,
0.7233

 157.6102, 0.3440,
0.4758

 2.7458, 0.2168,
0.7832

 195.2945, 0.3429,
0.4651

 1.0005, 0.0000,
1.0000

 238.5523, 0.3418,

 0.0000, 0.0000,

0.4558

0.0000

287.7681, 0.3407,
0.4476

■ 39.3382, 0.3436,
0.5654

■ 39.3382, 0.3436,
0.5654

■ 39.3400, 0.3436,
0.5654

■ 39.9213, 0.3482,
0.5546

■ 40.6006, 0.3510,
0.5392

■ 41.3958, 0.3516,
0.5188

■ 42.3166, 0.3500,
0.4941

■ 43.3712, 0.3463,
0.4667

■ 44.5671, 0.3411,
0.4378

■ 45.9109, 0.3347,
0.4087

■ 47.4089, 0.3276,
0.3805

■ 49.0670, 0.3202,
0.3538

Harmonies

Analogous

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



39.3382, 0.4487, 0.5105



39.3382, 0.3436, 0.5654



39.3382, 0.2367, 0.5132

Triad

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



39.3382, 0.3436, 0.5654



39.3382, 0.1251, 0.1770



39.3382, 0.4847, 0.2724

Complementary

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



39.3382, 0.3436, 0.5654



5.6058, 0.1928, 0.0836

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.



39.3382, 0.3580, 0.2104



39.3382, 0.3436, 0.5654



39.3382, 0.1620, 0.1580

Square

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



39.3382, 0.3436, 0.5654



39.3382, 0.1220, 0.2401



39.3382, 0.2389, 0.1704



39.3382, 0.5503, 0.3448

Rectangle

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



39.3382, 0.3436, 0.5654



39.3382, 0.1785, 0.4169



39.3382, 0.2389, 0.1704



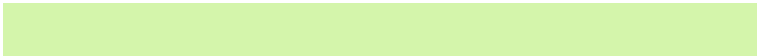
39.3382, 0.4459, 0.2500

Sweetspot

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



39.3400, 0.3436, 0.5654



82.1009, 0.3350, 0.4101



16.8391, 0.5604, 0.3932



17.4313, 0.3378, 0.4223



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.3400, 0.3436, 0.5654



70.3101, 0.3425, 0.5662



36.4795, 0.3014, 0.5989



10.9013, 0.3197, 0.3521



26.5138, 0.3445, 0.5647



1.0769, 0.3620, 0.5507

Inverse Universe

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



5.6058, 0.1928, 0.0836



9.9017, 0.1912, 0.0827



12.9515, 0.3042, 0.1450



9.4298, 0.3052, 0.3058



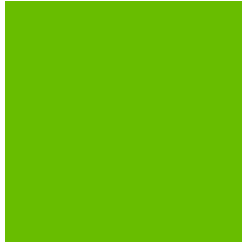
3.8156, 0.1941, 0.0843



0.1883, 0.2219, 0.0996

Previews

White Background



This preview shows how the Yxy color 39.3382, 0.3436, 0.5654 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 39.3382, 0.3436, 0.5654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

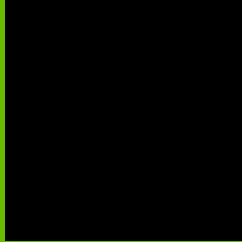
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3382, 0.3436, 0.5654

Background



This preview shows how black text looks on a background with the Yxy color 39.3382, 0.3436, 0.5654.



This preview shows how white text looks on a background with the Yxy color 39.3382, 0.3436, 0.5654.

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

39.3382, 0.3436, 0.5654

Protanopia

38.8241, 0.4403, 0.4886

Deuteranopia

38.7851, 0.4626, 0.4529



Tritanopia

39.2804, 0.2636, 0.3084

Trichromacy



Original Color

39.3382, 0.3436, 0.5654

Protanomaly

38.3198, 0.4015, 0.5194

Deuteranomaly

37.5861, 0.4174, 0.4972

Tritanomaly

38.3502, 0.3066, 0.4263

Monochromacy



Original Color

39.3382, 0.3436, 0.5654

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

30.1237, 0.3427, 0.4460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3382, 0.3436, 0.5654 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(104, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 189, 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(104, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.3382, 0.3436, 0.5654 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(104, 189, 0) }
```

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

```
.border{ border-color:rgb(104, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 189,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3382, 0.3436, 0.5654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 189, 0) }
```

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

```
.background{ background-color: rgb(104,  
189, 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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