

Converting Colors

$Y_{xy}(39.0638, 0.3356, 0.5566)$

Have a look what the booklet for
Yxy(39.0638, 0.3356, 0.5566)
contains.

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Color

Yxy(39.1468, 0.3353, 0.5565)

Conversions

Conversions Part 1

Format	Color
Hex	63BD1F
RGB	99, 189, 31
RGB Percent	39%, 74%, 12%
CMY	0.6120, 0.2588, 0.8783
CMYK	0.48, 0.00, 0.84, 0.26
HSL	94°, 72%, 43%
HSV	94°, 84%, 74%
XYZ	23.5866, 39.1468, 7.6113
YIQ	144.0780, -2.9220, -68.2180

Conversions

Conversions Part 2

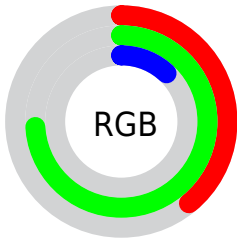
Format	Color
R_{YB}	31, 189, 121
Decimal	6536479
CIE _{Lab}	68.86, -51.56, 63.92
CIE _{LCh}	69, 82.122, 128.892
Yxy	39.1468, 0.3353, 0.5565
Android (android.graphics.Color)	4284726559 (0xFF63BD1F)
YUV	144.0780, -55.7475, -39.5334
Hunter-Lab	62.5674, -42.2023, 36.5846

Details

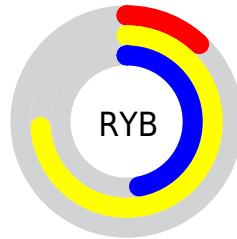
The Yxy color **39.1468, 0.3353, 0.5565** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **8.7288, 0.2337, 0.1161**, and the grayscale version is **28.1504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8523, 0.3378, 0.5113**, and **17.6680, 0.3117, 0.5907** is the 20% darker color. If you saturate the color by 10%, you get **38.5096, 0.3308, 0.5711**, and if you desaturate by 10%, it is **39.9267, 0.3379, 0.5360**.

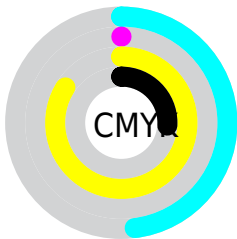
Distribution



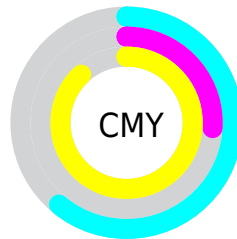
- Red (39%)
- Green (74%)
- Blue (12%)



- Red (12%)
- Yellow (74%)
- Blue (47%)



- Cyan (48%)
- Magenta (0%)
- Yellow (84%)
- Black (26%)





- Cyan (61%)
- Magenta (26%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1468, 0.3353, 0.5565 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 39.1468, 0.3353, 0.5565 by changing the saturation by 10% instead.


 39.1468, 0.3353,
0.5565


 39.1468, 0.3353,
0.5565


342.5142, 0.3339,
0.4346


 26.8739, 0.3309,
0.5869


 73.8625, 0.3380,
0.5115


 17.4786, 0.3220,
0.6245


 97.0742, 0.3380,
0.4947


 10.5763, 0.3081,
0.6781


 124.7009, 0.3376,
0.4805

 5.7827, 0.2726,
0.7274

 157.1271, 0.3370,
0.4685

 2.7134, 0.2110,
0.7890

 194.7371, 0.3363,
0.4582

 0.9840, 0.0000,
1.0000

 237.9154, 0.3355,

 0.0000, 0.0000,

0.4493

0.0000

287.0463, 0.3347,
0.4414

■ 39.1468, 0.3353,
0.5565

■ 39.1468, 0.3353,
0.5565

■ 38.5096, 0.3308,
0.5711

■ 39.9267, 0.3379,
0.5360

■ 38.1602, 0.3275,
0.5782

■ 40.8562, 0.3385,
0.5107

■ 41.9472, 0.3373,
0.4820

■ 43.2089, 0.3345,
0.4516

■ 44.6497, 0.3304,
0.4210

■ 46.2772, 0.3256,
0.3914

■ 48.0986, 0.3202,
0.3634

■ 50.1207, 0.3147,
0.3377

■ 52.3500, 0.3092,
0.3142

Harmonies

Analogous

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



39.1468, 0.4382, 0.5125



39.1468, 0.3353, 0.5565



39.1468, 0.2322, 0.4944

Triad

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



39.1468, 0.3353, 0.5565



39.1468, 0.1320, 0.1789



39.1468, 0.4866, 0.2807

Complementary

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



39.1468, 0.3353, 0.5565



8.7288, 0.2337, 0.1161

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.



39.1468, 0.3677, 0.2187



39.1468, 0.3353, 0.5565



39.1468, 0.1714, 0.1628

Square

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



39.1468, 0.3353, 0.5565



39.1468, 0.1264, 0.2365



39.1468, 0.2502, 0.1772



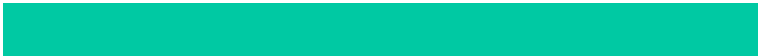
39.1468, 0.5432, 0.3525

Rectangle

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



39.1468, 0.3353, 0.5565



39.1468, 0.1775, 0.4005



39.1468, 0.2502, 0.1772



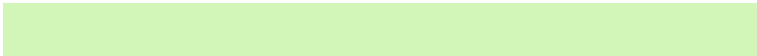
39.1468, 0.4509, 0.2584

Sweetspot

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



39.1485, 0.3353, 0.5565



82.3160, 0.3265, 0.3967



24.4862, 0.4911, 0.4292



17.4779, 0.3282, 0.4070



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.



39.1485, 0.3353, 0.5565



68.2014, 0.3264, 0.5790



36.8557, 0.2983, 0.5733



10.8447, 0.3179, 0.3523



25.7155, 0.3284, 0.5774



1.0460, 0.3480, 0.5619

Inverse Universe

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



8.7288, 0.2337, 0.1161



12.1181, 0.2151, 0.0958



15.0357, 0.3348, 0.1702



9.4865, 0.3071, 0.3059



4.6525, 0.2178, 0.0973



0.2202, 0.2422, 0.1108

Previews

White Background



This preview shows how the Yxy color 39.1468, 0.3353, 0.5565 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 39.1468, 0.3353, 0.5565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

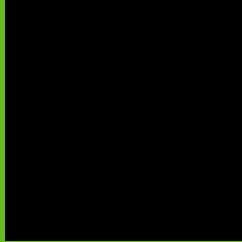
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1468, 0.3353, 0.5565

Background



This preview shows how black text looks on a background with the Yxy color 39.1468, 0.3353, 0.5565.



This preview shows how white text looks on a background with the Yxy color 39.1468, 0.3353, 0.5565.

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

39.1468, 0.3353, 0.5565

Protanopia

38.3990, 0.4362, 0.4822

Deuteranopia

38.2224, 0.4574, 0.4476



Tritanopia

38.9793, 0.2608, 0.3082

Trichromacy



Original Color

39.1468, 0.3353, 0.5565



Protanomaly

37.8070, 0.3960, 0.5120



Deuteranomaly

36.9781, 0.4094, 0.4889



Tritanomaly

38.2911, 0.2949, 0.4087

Monochromacy



Original Color

39.1468, 0.3353, 0.5565



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.7101, 0.3316, 0.4258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1468, 0.3353, 0.5565 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(99, 189, 31)` looks like.

```
.text, #text, p{  
    color:rgb(99, 189, 31)  
}
```

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(99, 189, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 189, 31) }
```

Border

The CSS property to change the border of an element to Yxy 39.1468, 0.3353, 0.5565 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(99, 189, 31) }
```

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

```
.border{ border-color:rgb(99, 189, 31) }
```

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

Here you see how a box with a 4 pixel rgb(99, 189, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 189, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 189, 31);  
box-shadow:4px 4px 4px 4px rgb(99, 189,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1468, 0.3353, 0.5565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 189, 31) }
```

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

```
.background{ background-color: rgb(99, 189,  
31) }
```

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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