

Converting Colors

$Yxy(38.2402, 0.2952, 0.5352)$

Have a look what the booklet for
Yxy(38.2402, 0.2952, 0.5352)
contains.

Yxy(38.4607, 0.2955, 0.5359)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4607, 0.2955, 0.5359)

Conversions

Conversions Part 1

Format	Color
Hex	35BF46
RGB	53, 191, 70
RGB Percent	21%, 75%, 27%
CMY	0.7918, 0.2510, 0.7255
CMYK	0.72, 0.00, 0.63, 0.25
HSL	127°, 57%, 48%
HSV	127°, 72%, 75%
XYZ	21.2076, 38.4607, 12.1002
YIQ	135.9440, -43.4070, -66.8870

Conversions

Conversions Part 2

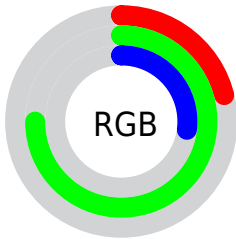
Format	Color
RYB	53, 176, 191
Decimal	3522374
CIELab	68.36, -60.35, 49.29
CIELCh	68, 77.922, 140.761
Yxy	38.4607, 0.2955, 0.5359
Android (android.graphics.Color)	4281712454 (0xFF35BF46)
YUV	135.9440, -32.5104, -72.7419
Hunter-Lab	62.0167, -47.4884, 31.8435

Details

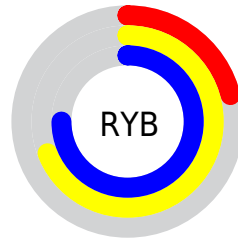
The Yxy color **38.4607, 0.2955, 0.5359** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **16.6886, 0.3425, 0.1879**, and the grayscale version is **24.7438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1034, 0.3031, 0.4918**, and **17.6325, 0.2980, 0.5927** is the 20% darker color. If you saturate the color by 10%, you get **37.8601, 0.2956, 0.5613**, and if you desaturate by 10%, it is **39.3298, 0.2964, 0.5062**.

Distribution



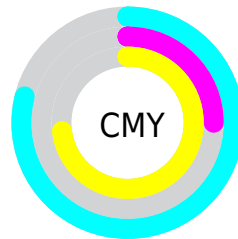
- Red (21%)
- Green (75%)
- Blue (27%)



- Red (21%)
- Yellow (69%)
- Blue (75%)



- Cyan (72%)
- Magenta (0%)
- Yellow (63%)
- Black (25%)




- Cyan (79%)
- Magenta (25%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4607, 0.2955, 0.5359 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 38.4607, 0.2955, 0.5359 by changing the saturation by 10% instead.


 38.4607, 0.2955,
0.5359


 38.4607, 0.2955,
0.5359


339.5921, 0.3112,
0.4209

 26.3404, 0.2884,
0.5675


 72.8137, 0.3034,
0.4917

 17.0785, 0.2772,
0.6089


 95.8153, 0.3056,
0.4758

 10.2905, 0.2584,
0.6645


 123.2127, 0.3073,
0.4626

 5.5920, 0.2335,
0.7665

 155.3905, 0.3085,
0.4516

 2.5986, 0.1500,
0.8500

 192.7329, 0.3095,
0.4422

 0.9260, 0.0000,
1.0000

235.6244, 0.3102,

 0.0000, 0.0000,

0.4341

0.0000

284.4493, 0.3108,
0.4271

■ 38.4607, 0.2955,
0.5359

■ 38.4607, 0.2955,
0.5359

■ 37.8601, 0.2956,
0.5613

■ 39.3298, 0.2964,
0.5062

■ 37.4920, 0.2966,
0.5806

■ 40.4891, 0.2980,
0.4742

■ 37.3246, 0.2975,
0.5909

■ 41.9631, 0.3004,
0.4420

■ 43.7727, 0.3031,
0.4111

■ 45.9370, 0.3061,
0.3825

■ 48.4734, 0.3091,
0.3566

■ 51.3985, 0.3121,
0.3337

■ 54.7277, 0.3149,
0.3136

■ 58.4754, 0.3176,
0.2962

Harmonies

Analogous

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



38.4607, 0.3978, 0.5304



38.4607, 0.2955, 0.5359



38.4607, 0.2028, 0.4353

Triad

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



38.4607, 0.2955, 0.5359



38.4607, 0.1489, 0.1740



38.4607, 0.5101, 0.3103

Complementary

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



38.4607, 0.2955, 0.5359



16.6886, 0.3425, 0.1879

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.



38.4607, 0.4138, 0.2448



38.4607, 0.2955, 0.5359



38.4607, 0.2018, 0.1705

Square

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



38.4607, 0.2955, 0.5359



38.4607, 0.1307, 0.2128



38.4607, 0.2943, 0.1953



38.4607, 0.5333, 0.3832

Rectangle

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



38.4607, 0.2955, 0.5359



38.4607, 0.1603, 0.3428



38.4607, 0.2943, 0.1953



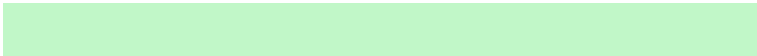
38.4607, 0.4845, 0.2874

Sweetspot

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



38.4623, 0.2955, 0.5359



82.2164, 0.3060, 0.3828



46.6221, 0.3930, 0.4961



17.8066, 0.3052, 0.3905



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.4623, 0.2955, 0.5359



67.3566, 0.2961, 0.5740



39.8588, 0.2599, 0.4194



10.6682, 0.3100, 0.3497



24.5362, 0.2971, 0.5895



0.9674, 0.2882, 0.5573

Inverse Universe

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



16.6886, 0.3425, 0.1879



26.0968, 0.3498, 0.1754



14.6692, 0.4599, 0.2660



9.6756, 0.3156, 0.3091



9.1346, 0.3541, 0.1724



0.3636, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 38.4607, 0.2955, 0.5359 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 38.4607, 0.2955, 0.5359 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 38.4607, 0.2955, 0.5359

Background



This preview shows how black text looks on a background with the Yxy color 38.4607, 0.2955, 0.5359.



This preview shows how white text looks on a background with the Yxy color 38.4607, 0.2955, 0.5359.

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

38.4607, 0.2955, 0.5359

Protanopia

37.8217, 0.4167, 0.4595

Deuteranopia

37.5305, 0.4328, 0.4229



Tritanopia

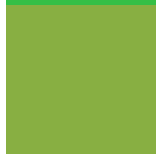
38.3146, 0.2412, 0.3074

Trichromacy



Original Color

38.4607, 0.2955, 0.5359



Protanomaly

36.2875, 0.3600, 0.4936



Deuteranomaly

35.2873, 0.3701, 0.4683



Tritanomaly

37.5829, 0.2616, 0.3880

Monochromacy



Original Color

38.4607, 0.2955, 0.5359



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.0110, 0.3034, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4607, 0.2955, 0.5359 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(53, 191, 70)` looks like.

```
.text, #text, p{  
    color:rgb(53, 191, 70)  
}
```

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(53, 191, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 191, 70) }
```

Border

The CSS property to change the border of an element to Yxy 38.4607, 0.2955, 0.5359 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(53, 191, 70) }
```

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

```
.border{ border-color:rgb(53, 191, 70) }
```

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

Here you see how a box with a 4 pixel rgb(53, 191, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 191, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 191, 70);  
box-shadow:4px 4px 4px 4px rgb(53, 191,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4607, 0.2955, 0.5359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 191, 70) }
```

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

```
.background{ background-color: rgb(53, 191,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor