

Converting Colors

$Yxy(38.5837, 0.3081, 0.5551)$

Have a look what the booklet for
Yxy(38.5837, 0.3081, 0.5551)
contains.

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Color

Yxy(38.6334, 0.3077, 0.5548)

Conversions

Conversions Part 1

Format	Color
Hex	41BF34
RGB	65, 191, 52
RGB Percent	25%, 75%, 20%
CMY	0.7454, 0.2509, 0.7961
CMYK	0.66, 0.00, 0.73, 0.25
HSL	114°, 57%, 48%
HSV	114°, 73%, 75%
XYZ	21.4266, 38.6334, 9.5748
YIQ	137.4800, -30.4770, -69.9410

Conversions

Conversions Part 2

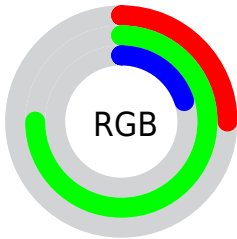
Format	Color
RYB	52, 191, 178
Decimal	4308788
CIELab	68.48, -59.85, 56.73
CIELCh	68, 82.464, 136.537
Yxy	38.6334, 0.3077, 0.5548
Android (android.graphics.Color)	4282498868 (0xFF41BF34)
YUV	137.4800, -42.1416, -63.5650
Hunter-Lab	62.1558, -47.2392, 34.3757

Details

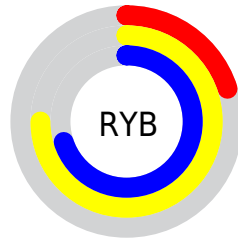
The Yxy color **38.6334, 0.3077, 0.5548** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **15.6912, 0.3038, 0.1643**, and the grayscale version is **25.3719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7855, 0.3145, 0.5073**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.9938, 0.3055, 0.5774**, and if you desaturate by 10%, it is **39.5270, 0.3096, 0.5258**.

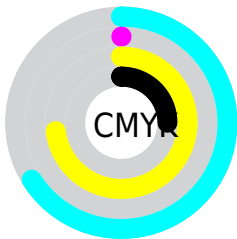
Distribution



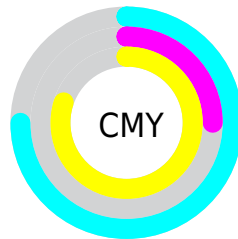
- Red (25%)
- Green (75%)
- Blue (20%)



- Red (20%)
- Yellow (75%)
- Blue (70%)



- Cyan (66%)
- Magenta (0%)
- Yellow (73%)
- Black (25%)




- Cyan (75%)
- Magenta (25%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6334, 0.3077, 0.5548 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 38.6334, 0.3077, 0.5548 by changing the saturation by 10% instead.


 38.6334, 0.3077,
0.5548


 38.6334, 0.3077,
0.5548


340.3293, 0.3191,
0.4305


 26.4747, 0.3008,
0.5878


 73.0779, 0.3146,
0.5077


 17.1791, 0.2893,
0.6301

 96.1325, 0.3163,
0.4905

 10.3622, 0.2697,
0.6858


 123.5879, 0.3174,
0.4762

 5.6398, 0.2362,
0.7638

 155.8283, 0.3181,
0.4641

 2.6273, 0.1555,
0.8445

 193.2383, 0.3186,
0.4538

 0.9404, 0.0000,
1.0000

 236.2022, 0.3188,

 0.0000, 0.0000,

0.4450

0.0000

285.1044, 0.3190,
0.4373

■ 38.6334, 0.3077,
0.5548

■ 38.6334, 0.3077,
0.5548

■ 37.9938, 0.3055,
0.5774

■ 39.5270, 0.3096,
0.5258

■ 37.5773, 0.3033,
0.5920

■ 40.6924, 0.3111,
0.4926

■ 37.3923, 0.3021,
0.5983

■ 42.1511, 0.3121,
0.4579

■ 43.9213, 0.3127,
0.4237

■ 46.0196, 0.3130,
0.3914

■ 48.4615, 0.3130,
0.3620

■ 51.2614, 0.3128,
0.3357

■ 54.4330, 0.3124,
0.3127

■ 57.9893, 0.3120,
0.2926

Harmonies

Analogous

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



38.6334, 0.4134, 0.5312



38.6334, 0.3077, 0.5548



38.6334, 0.2083, 0.4623

Triad

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



38.6334, 0.3077, 0.5548



38.6334, 0.1377, 0.1704



38.6334, 0.5106, 0.2979

Complementary

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



38.6334, 0.3077, 0.5548



15.6912, 0.3038, 0.1643

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.



38.6334, 0.4011, 0.2323



38.6334, 0.3077, 0.5548



38.6334, 0.1866, 0.1628

Square

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



38.6334, 0.3077, 0.5548



38.6334, 0.1235, 0.2160



38.6334, 0.2768, 0.1845



38.6334, 0.5455, 0.3717

Rectangle

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



38.6334, 0.3077, 0.5548



38.6334, 0.1606, 0.3629



38.6334, 0.2768, 0.1845



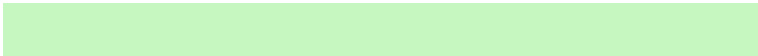
38.6334, 0.4802, 0.2748

Sweetspot

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



38.6350, 0.3077, 0.5548



82.5882, 0.3130, 0.3901



42.8125, 0.4197, 0.4747



17.8944, 0.3130, 0.3986



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.



38.6350, 0.3077, 0.5548



67.5757, 0.3043, 0.5866



39.0699, 0.2765, 0.4752



10.6909, 0.3130, 0.3526



24.5870, 0.3025, 0.5980



0.9776, 0.3114, 0.5909

Inverse Universe

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



15.6912, 0.3038, 0.1643



24.1630, 0.3003, 0.1476



15.2934, 0.4047, 0.2282



9.6499, 0.3123, 0.3063



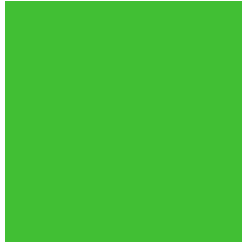
8.3467, 0.2979, 0.1415



0.3402, 0.3038, 0.1447

Previews

White Background



This preview shows how the Yxy color 38.6334, 0.3077, 0.5548 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 38.6334, 0.3077, 0.5548 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 38.6334, 0.3077, 0.5548

Background



This preview shows how black text looks on a background with the Yxy color 38.6334, 0.3077, 0.5548.



This preview shows how white text looks on a background with the Yxy color 38.6334, 0.3077, 0.5548.

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

38.6334, 0.3077, 0.5548

Protanopia

37.9088, 0.4277, 0.4716

Deuteranopia

37.6174, 0.4456, 0.4358



Tritanopia

38.3437, 0.2450, 0.3061

Trichromacy



Original Color

38.6334, 0.3077, 0.5548



Protanomaly

36.6241, 0.3748, 0.5081



Deuteranomaly

35.6707, 0.3862, 0.4830



Tritanomaly

37.8462, 0.2706, 0.3978

Monochromacy



Original Color

38.6334, 0.3077, 0.5548



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.5341, 0.3130, 0.4210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6334, 0.3077, 0.5548 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(65, 191, 52)` looks like.

```
.text, #text, p{  
    color:rgb(65, 191, 52)  
}
```

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(65, 191, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 191, 52) }
```

Border

The CSS property to change the border of an element to Yxy 38.6334, 0.3077, 0.5548 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(65, 191, 52) }
```

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

```
.border{ border-color:rgb(65, 191, 52) }
```

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

Here you see how a box with a 4 pixel rgb(65, 191, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 191, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 191, 52);  
box-shadow:4px 4px 4px 4px rgb(65, 191,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6334, 0.3077, 0.5548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 191, 52) }
```

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

```
.background{ background-color: rgb(65, 191,  
52) }
```

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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