

Converting Colors

$Yxy(38.1191, 0.3088, 0.5028)$

Have a look what the booklet for
Yxy(38.1191, 0.3088, 0.5028)
contains.

Yxy(38.3388, 0.3089, 0.5029)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.3388, 0.3089, 0.5029)

Conversions

Conversions Part 1

Format	Color
Hex	5ABB53
RGB	90, 187, 83
RGB Percent	35%, 73%, 33%
CMY	0.6470, 0.2667, 0.6744
CMYK	0.52, 0.00, 0.56, 0.27
HSL	116°, 43%, 53%
HSV	116°, 56%, 73%
XYZ	23.5491, 38.3388, 14.3475
YIQ	146.1410, -24.4280, -52.9080

Conversions

Conversions Part 2

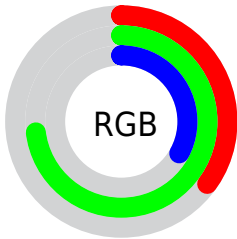
Format	Color
RYB	83, 187, 180
Decimal	5946195
CIELab	68.27, -49.19, 43.52
CIElCh	68, 65.680, 138.502
Yxy	38.3388, 0.3089, 0.5029
Android (android.graphics.Color)	4284136275 (0xFF5ABB53)
YUV	146.1410, -31.1285, -49.2357
Hunter-Lab	61.9183, -40.4690, 29.6044

Details

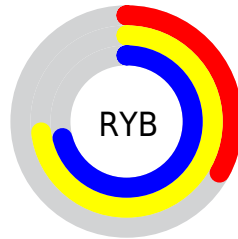
The Yxy color **38.3388, 0.3089, 0.5029** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.4849, 0.3104, 0.1958**, and the grayscale version is **28.9452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6537, 0.3130, 0.4664**, and **17.0735, 0.2980, 0.5638** is the 20% darker color. If you saturate the color by 10%, you get **37.3148, 0.3073, 0.5353**, and if you desaturate by 10%, it is **39.6492, 0.3102, 0.4682**.

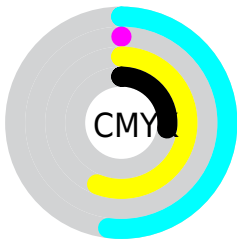
Distribution



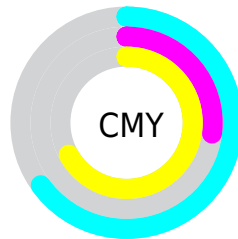
- Red (35%)
- Green (73%)
- Blue (33%)



- Red (33%)
- Yellow (73%)
- Blue (71%)



- Cyan (52%)
- Magenta (0%)
- Yellow (56%)
- Black (27%)





- Cyan (65%)
- Magenta (27%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3388, 0.3089, 0.5029 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 38.3388, 0.3089, 0.5029 by changing the saturation by 10% instead.

 38.3388, 0.3089,
0.5029


 38.3388, 0.3089,
0.5029


339.0711, 0.3158,
0.4071

 26.2457, 0.3050,
0.5293


 72.6271, 0.3129,
0.4661


 17.0076, 0.2983,
0.5642


 95.5912, 0.3139,
0.4529

 10.2399, 0.2863,
0.6117


 122.9477, 0.3146,
0.4419

 5.5583, 0.2672,
0.6876

 155.0811, 0.3151,
0.4327

 2.5784, 0.2186,
0.7814

 192.3758, 0.3154,
0.4249

 0.9158, 0.0000,
1.0000

235.2160, 0.3156,

 0.0000, 0.0000,

0.4181

0.0000

283.9864, 0.3157,
0.4122

■ 38.3388, 0.3089,
0.5029

■ 38.3388, 0.3089,
0.5029

■ 37.3148, 0.3073,
0.5353

■ 39.6492, 0.3102,
0.4682

■ 36.5513, 0.3055,
0.5628

■ 41.2601, 0.3112,
0.4334

■ 36.0262, 0.3036,
0.5831

■ 43.1903, 0.3120,
0.4003

■ 35.7107, 0.3018,
0.5952

■ 45.4558, 0.3124,
0.3700

■ 35.6237, 0.3014,
0.5989

■ 48.0714, 0.3127,
0.3428

■ 51.0511, 0.3127,
0.3189

■ 54.4082, 0.3127,
0.2980

■ 58.1551, 0.3126,
0.2800

■ 62.3038, 0.3124,
0.2645

Harmonies

Analogous

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



38.3388, 0.3982, 0.5002



38.3388, 0.3089, 0.5029



38.3388, 0.2253, 0.4256

Triad

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



38.3388, 0.3089, 0.5029



38.3388, 0.1662, 0.1952



38.3388, 0.4757, 0.3113

Complementary

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



38.3388, 0.3089, 0.5029



19.4849, 0.3104, 0.1958

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.



38.3388, 0.3914, 0.2525



38.3388, 0.3089, 0.5029



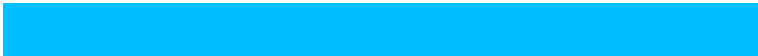
38.3388, 0.2121, 0.1887

Square

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



38.3388, 0.3089, 0.5029



38.3388, 0.1522, 0.2348



38.3388, 0.2910, 0.2092



38.3388, 0.5037, 0.3774

Rectangle

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



38.3388, 0.3089, 0.5029



38.3388, 0.1848, 0.3511



38.3388, 0.2910, 0.2092



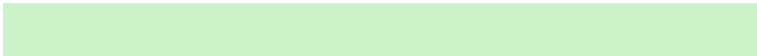
38.3388, 0.4524, 0.2905

Sweetspot

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



38.3404, 0.3089, 0.5029



80.6869, 0.3123, 0.3749



43.1653, 0.3974, 0.4509



17.5823, 0.3123, 0.3808



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.



38.3404, 0.3089, 0.5029



66.4472, 0.3068, 0.5427



38.8972, 0.2790, 0.4319



10.6794, 0.3126, 0.3526



24.5564, 0.3017, 0.5986



0.9725, 0.3083, 0.5934

Inverse Universe

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



19.4849, 0.3104, 0.1958



29.2034, 0.3090, 0.1735



18.7596, 0.3776, 0.2477



9.6628, 0.3127, 0.3063



8.7206, 0.3043, 0.1450



0.3515, 0.3086, 0.1473

Previews

White Background



This preview shows how the Yxy color 38.3388, 0.3089, 0.5029 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 38.3388, 0.3089, 0.5029 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 38.3388, 0.3089, 0.5029

Background



This preview shows how black text looks on a background with the Yxy color 38.3388, 0.3089, 0.5029.



This preview shows how white text looks on a background with the Yxy color 38.3388, 0.3089, 0.5029.

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

38.3388, 0.3089, 0.5029

Protanopia

37.8615, 0.4072, 0.4472

Deuteranopia

37.7656, 0.4209, 0.4132



Tritanopia

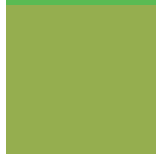
38.2791, 0.2544, 0.3078

Trichromacy



Original Color

38.3388, 0.3089, 0.5029



Protanomaly

37.2262, 0.3653, 0.4699



Deuteranomaly

36.6576, 0.3738, 0.4471



Tritanomaly

37.8801, 0.2753, 0.3760

Monochromacy



Original Color

38.3388, 0.3089, 0.5029



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.3554, 0.3125, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3388, 0.3089, 0.5029 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(90, 187, 83)` looks like.

```
.text, #text, p{  
    color:rgb(90, 187, 83)  
}
```

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(90, 187, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 187, 83) }
```

Border

The CSS property to change the border of an element to Yxy 38.3388, 0.3089, 0.5029 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(90, 187, 83) }
```

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

```
.border{ border-color:rgb(90, 187, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 187, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 187, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 187, 83);  
box-shadow:4px 4px 4px 4px rgb(90, 187,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3388, 0.3089, 0.5029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 187, 83) }
```

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

```
.background{ background-color: rgb(90, 187,  
83) }
```

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