

Converting Colors

$Yxy(38.4473, 0.3407, 0.4822)$

Have a look what the booklet for
Yxy(38.4473, 0.3407, 0.4822)
contains.

Yxy(38.3394, 0.3408, 0.4815)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.3394, 0.3408, 0.4815)

Conversions

Conversions Part 1

Format	Color
Hex	81B553
RGB	129, 181, 83
RGB Percent	51%, 71%, 33%
CMY	0.4942, 0.2902, 0.6746
CMYK	0.29, 0.00, 0.54, 0.29
HSL	92°, 40%, 52%
HSV	92°, 54%, 71%
XYZ	27.1362, 38.3394, 14.1493
YIQ	154.2800, 0.4660, -41.5020

Conversions

Conversions Part 2

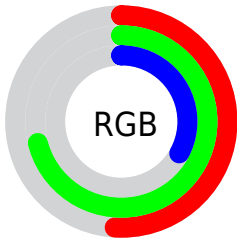
Format	Color
RYB	83, 181, 135
Decimal	8500563
CIELab	68.27, -34.00, 43.99
CIELCh	68, 55.596, 127.698
Yxy	38.3394, 0.3408, 0.4815
Android (android.graphics.Color)	4286690643 (0xFF81B553)
YUV	154.2800, -35.1410, -22.1706
Hunter-Lab	61.9188, -30.1296, 29.7945

Details

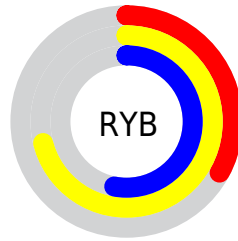
The Yxy color **38.3394, 0.3408, 0.4815** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **14.6714, 0.2628, 0.1800**, and the grayscale version is **32.6004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5080, 0.3381, 0.4504**, and **17.0791, 0.3412, 0.5316** is the 20% darker color. If you saturate the color by 10%, you get **37.3799, 0.3425, 0.5093**, and if you desaturate by 10%, it is **39.4459, 0.3374, 0.4519**.

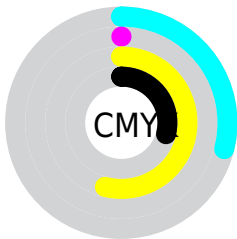
Distribution



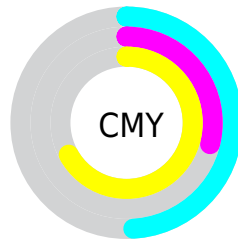
- Red (51%)
- Green (71%)
- Blue (33%)



- Red (33%)
- Yellow (71%)
- Blue (53%)



- Cyan (29%)
- Magenta (0%)
- Yellow (54%)
- Black (29%)



- Cyan (49%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3394, 0.3408, 0.4815 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 38.3394, 0.3408, 0.4815 by changing the saturation by 10% instead.

 38.3394, 0.3408,
0.4815


 38.3394, 0.3408,
0.4815


339.0737, 0.3303,
0.3993

 26.2462, 0.3416,
0.5033


 72.6281, 0.3382,
0.4505

 17.0079, 0.3413,
0.5318


 95.5923, 0.3368,
0.4391

 10.2401, 0.3380,
0.5697


 122.9490, 0.3355,
0.4297

 5.5585, 0.3324,
0.6300

 155.0826, 0.3343,
0.4217

 2.5785, 0.3025,
0.6975

 192.3775, 0.3331,
0.4149

 0.9159, 0.0421,
0.9579

235.2180, 0.3321,

 0.0000, 0.0000,

0.4090

0.0000

283.9886, 0.3312,
0.4038

■ 38.3394, 0.3408,
0.4815

■ 38.3394, 0.3408,
0.4815

■ 37.3799, 0.3425,
0.5093

■ 39.4459, 0.3374,
0.4519

■ 36.5548, 0.3422,
0.5338

■ 40.7015, 0.3328,
0.4218

■ 35.8568, 0.3399,
0.5535

■ 42.1143, 0.3274,
0.3925

■ 35.2759, 0.3356,
0.5676

■ 43.6905, 0.3214,
0.3648

■ 34.9797, 0.3326,
0.5741

■ 45.4357, 0.3153,
0.3390

■ 47.3554, 0.3091,
0.3155

■ 49.4547, 0.3032,
0.2943

■ 51.7385, 0.2975,
0.2753

■ 54.2115, 0.2921,
0.2583

Harmonies

Analogous

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



38.3394, 0.4147, 0.4643



38.3394, 0.3408, 0.4815



38.3394, 0.2635, 0.4384

Triad

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



38.3394, 0.3408, 0.4815



38.3394, 0.1766, 0.2224



38.3394, 0.4293, 0.2957

Complementary

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



38.3394, 0.3408, 0.4815



14.6714, 0.2628, 0.1800

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.



38.3394, 0.3492, 0.2469



38.3394, 0.3408, 0.4815



38.3394, 0.2076, 0.2055

Square

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



38.3394, 0.3408, 0.4815



38.3394, 0.1748, 0.2709



38.3394, 0.2673, 0.2150



38.3394, 0.4735, 0.3535

Rectangle

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



38.3394, 0.3408, 0.4815



38.3394, 0.2207, 0.3821



38.3394, 0.2673, 0.2150



38.3394, 0.4050, 0.2781

Sweetspot

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



38.3411, 0.3408, 0.4815



77.6207, 0.3227, 0.3705



27.3966, 0.4252, 0.4004



16.6510, 0.3239, 0.3760



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.3411, 0.3408, 0.4815



66.6368, 0.3426, 0.5144



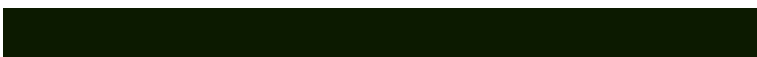
35.5388, 0.3038, 0.4972



9.6790, 0.3185, 0.3520



24.1526, 0.3335, 0.5734



0.7948, 0.3561, 0.5554

Inverse Universe

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



14.6714, 0.2628, 0.1800



19.8166, 0.2482, 0.1487



19.2782, 0.3206, 0.2038



8.4447, 0.3065, 0.3060



4.0579, 0.2098, 0.0930



0.1620, 0.2401, 0.1097

Previews

White Background



This preview shows how the Yxy color 38.3394, 0.3408, 0.4815 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 38.3394, 0.3408, 0.4815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

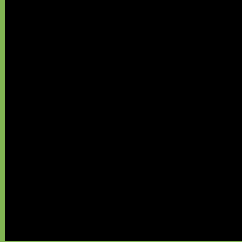
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3394, 0.3408, 0.4815

Background



This preview shows how black text looks on a background with the Yxy color 38.3394, 0.3408, 0.4815.



This preview shows how white text looks on a background with the Yxy color 38.3394, 0.3408, 0.4815.

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

38.3394, 0.3408, 0.4815

Protanopia

38.0128, 0.4068, 0.4446

Deuteranopia

37.8715, 0.4236, 0.4150



Tritanopia

38.1394, 0.2795, 0.3087

Trichromacy



Original Color

38.3394, 0.3408, 0.4815

Protanomaly

37.5975, 0.3814, 0.4579

Deuteranomaly

37.1907, 0.3918, 0.4381

Tritanomaly

37.8677, 0.3038, 0.3705

Monochromacy



Original Color

38.3394, 0.3408, 0.4815

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.1292, 0.3261, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3394, 0.3408, 0.4815 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(129, 181, 83)` looks like.

```
.text, #text, p{  
    color:rgb(129, 181, 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(129, 181, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 181, 83) }
```

Border

The CSS property to change the border of an element to Yxy 38.3394, 0.3408, 0.4815 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(129, 181, 83) }
```

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

```
.border{ border-color:rgb(129, 181, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 181, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 181, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 181, 83);  
box-shadow:4px 4px 4px 4px rgb(129, 181,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3394, 0.3408, 0.4815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 181, 83) }
```

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

```
.background{ background-color: rgb(129,  
181, 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](#).

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