

Converting Colors

$Yxy(37.9918, 0.3473, 0.4383)$

Have a look what the booklet for
Yxy(37.9918, 0.3473, 0.4383)
contains.

Yxy(38.0288, 0.3477, 0.4382)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.0288, 0.3477, 0.4382)

Conversions

Conversions Part 1

Format	Color
Hex	95AF67
RGB	149, 175, 103
RGB Percent	58%, 69%, 40%
CMY	0.4156, 0.3137, 0.5961
CMYK	0.15, 0.00, 0.41, 0.31
HSL	82°, 31%, 55%
HSV	82°, 41%, 69%
XYZ	30.1748, 38.0288, 18.5805
YIQ	159.0180, 7.6160, -27.9040

Conversions

Conversions Part 2

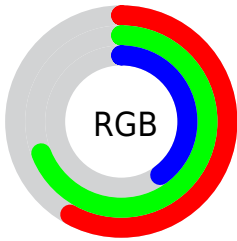
Format	Color
RYB	103, 175, 129
Decimal	9809767
CIELab	68.04, -21.16, 33.97
CIELCh	68, 40.017, 121.918
Yxy	38.0288, 0.3477, 0.4382
Android (android.graphics.Color)	4287999847 (0xFF95AF67)
YUV	159.0180, -27.6169, -8.7858
Hunter-Lab	61.6675, -20.5754, 25.3031

Details

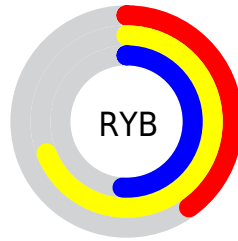
The Yxy color **38.0288, 0.3477, 0.4382** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.4604, 0.2642, 0.2132**, and the grayscale version is **34.8077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3558, 0.3421, 0.4168**, and **16.7268, 0.3553, 0.4733** is the 20% darker color. If you saturate the color by 10%, you get **37.1370, 0.3543, 0.4655**, and if you desaturate by 10%, it is **39.0297, 0.3399, 0.4103**.

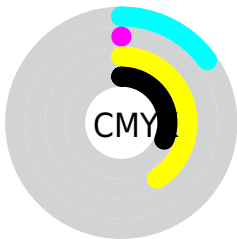
Distribution



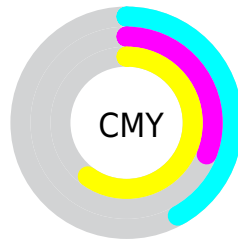
- Red (58%)
- Green (69%)
- Blue (40%)



- Red (40%)
- Yellow (69%)
- Blue (51%)



- Cyan (15%)
- Magenta (0%)
- Yellow (41%)
- Black (31%)





- Cyan (42%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0288, 0.3477, 0.4382 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 38.0288, 0.3477, 0.4382 by changing the saturation by 10% instead.

 38.0288, 0.3477,
0.4382


 38.0288, 0.3477,
0.4382


337.7435, 0.3315,
0.3800


 26.0050, 0.3510,
0.4537


 72.1523, 0.3423,
0.4163


 16.8274, 0.3547,
0.4740


 95.0208, 0.3401,
0.4083

 10.1115, 0.3583,
0.5016


 122.2730, 0.3382,
0.4016

 5.4730, 0.3603,
0.5404

 154.2933, 0.3365,
0.3959

 2.5273, 0.3733,
0.6267

191.4661, 0.3350,
0.3911

 0.8903, 0.2703,
0.7297

234.1758, 0.3337,

 0.0000, 0.0000,

0.3869

0.0000

282.8068, 0.3325,
0.3832

■ 38.0288, 0.3477,
0.4382

■ 38.0288, 0.3477,
0.4382

■ 37.1370, 0.3543,
0.4655

■ 39.0297, 0.3399,
0.4103

■ 36.3442, 0.3592,
0.4910

■ 40.1394, 0.3314,
0.3828

■ 35.6463, 0.3621,
0.5136


■ 41.3640, 0.3226,
0.3565


■ 35.0370, 0.3626,
0.5320

■ 42.7075, 0.3137,
0.3317

■ 34.5087, 0.3607,
0.5456


■ 44.1740, 0.3051,
0.3088

 34.0951, 0.3576,
0.5543

 45.7669, 0.2968,
0.2879

 47.4900, 0.2890,
0.2689

 49.3465, 0.2817,
0.2518

 50.9805, 0.2785,
0.2415

Harmonies

Analogous

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



38.0288, 0.3994, 0.4250



38.0288, 0.3477, 0.4382



38.0288, 0.2893, 0.4139

Triad

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



38.0288, 0.3477, 0.4382



38.0288, 0.2074, 0.2561



38.0288, 0.3873, 0.2976

Complementary

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



38.0288, 0.3477, 0.4382



17.4604, 0.2642, 0.2132

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.



38.0288, 0.3282, 0.2613



38.0288, 0.3477, 0.4382



38.0288, 0.2276, 0.2368

Square

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



38.0288, 0.3477, 0.4382



38.0288, 0.2114, 0.2988



38.0288, 0.2699, 0.2395



38.0288, 0.4257, 0.3423

Rectangle

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



38.0288, 0.3477, 0.4382



38.0288, 0.2545, 0.3790



38.0288, 0.2699, 0.2395



38.0288, 0.3688, 0.2842

Sweetspot

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



38.0305, 0.3477, 0.4382



73.8382, 0.3235, 0.3592



25.5832, 0.3996, 0.3668



16.3476, 0.3246, 0.3625



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.0305, 0.3477, 0.4382



66.7082, 0.3535, 0.4620



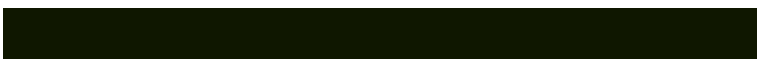
35.2030, 0.3157, 0.4501



9.1835, 0.3209, 0.3518



24.4522, 0.3582, 0.5538



0.7096, 0.3773, 0.5386

Inverse Universe

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



17.4604, 0.2642, 0.2132



25.0304, 0.2510, 0.1861



20.7088, 0.3046, 0.2258



7.8926, 0.3040, 0.3060



3.0088, 0.1799, 0.0765



0.1151, 0.2167, 0.0968

Previews

White Background



This preview shows how the Yxy color 38.0288, 0.3477, 0.4382 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 38.0288, 0.3477, 0.4382 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 38.0288, 0.3477, 0.4382

Background



This preview shows how black text looks on a background with the Yxy color 38.0288, 0.3477, 0.4382.



This preview shows how white text looks on a background with the Yxy color 38.0288, 0.3477, 0.4382.

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

38.0288, 0.3477, 0.4382

Protanopia

37.9970, 0.3872, 0.4211

Deuteranopia

37.6574, 0.4035, 0.3954



Tritanopia

37.8980, 0.2956, 0.3106

Trichromacy



Original Color

38.0288, 0.3477, 0.4382

Protanomaly

37.7311, 0.3725, 0.4278

Deuteranomaly

37.4153, 0.3823, 0.4095

Tritanomaly

37.5789, 0.3151, 0.3557

Monochromacy



Original Color

38.0288, 0.3477, 0.4382

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.7429, 0.3260, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0288, 0.3477, 0.4382 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(149, 175, 103)` looks like.

```
.text, #text, p{  
    color:rgb(149, 175, 103)  
}
```

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(149, 175, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 175, 103) }
```

Border

The CSS property to change the border of an element to Yxy 38.0288, 0.3477, 0.4382 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(149, 175, 103) }
```

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

```
.border{ border-color:rgb(149, 175, 103) }
```

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

Here you see how a box with a 4 pixel rgb(149, 175, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 175, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 175, 103);  
box-shadow:4px 4px 4px 4px rgb(149, 175,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0288, 0.3477, 0.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 175, 103) }
```

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

```
.background{ background-color: rgb(149,  
175, 103) }
```

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