

Converting Colors

$Yxy(38.3942, 0.3480, 0.4982)$

Have a look what the booklet for
Yxy(38.3942, 0.3480, 0.4982)
contains.

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Color

Yxy(38.5652, 0.3479, 0.4991)

Conversions

Conversions Part 1

Format	Color
Hex	81B646
RGB	129, 182, 70
RGB Percent	51%, 71%, 27%
CMY	0.4943, 0.2862, 0.7255
CMYK	0.29, 0.00, 0.62, 0.29
HSL	88°, 44%, 49%
HSV	88°, 62%, 71%
XYZ	26.8821, 38.5652, 11.8222
YIQ	153.3850, 4.3640, -46.0680

Conversions

Conversions Part 2

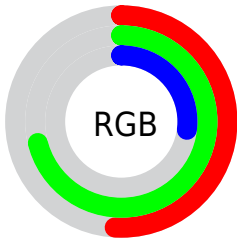
Format	Color
RYB	70, 182, 123
Decimal	8500806
CIELab	68.44, -35.74, 50.16
CIElCh	68, 61.594, 125.468
Yxy	38.5652, 0.3479, 0.4991
Android (android.graphics.Color)	4286690886 (0xFF81B646)
YUV	153.3850, -41.1088, -21.3856
Hunter-Lab	62.1009, -31.4080, 32.1835

Details

The Yxy color **38.5652, 0.3479, 0.4991** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **11.9749, 0.2463, 0.1568**, and the grayscale version is **32.2107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8934, 0.3449, 0.4643**, and **17.2229, 0.3474, 0.5530** is the 20% darker color. If you saturate the color by 10%, you get **37.7241, 0.3489, 0.5236**, and if you desaturate by 10%, it is **39.5363, 0.3449, 0.4716**.

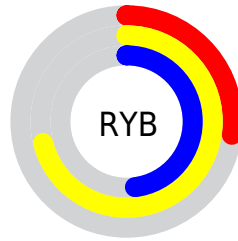
Distribution



Red (51%)

Green (71%)

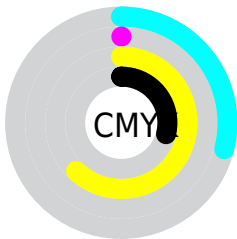
Blue (27%)



Red (27%)

Yellow (71%)

Blue (48%)

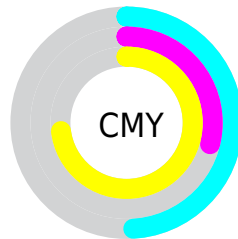


Cyan (29%)

Magenta (0%)

Yellow (62%)

Black (29%)



Cyan (49%)


Magenta (29%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5652, 0.3479, 0.4991 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 38.5652, 0.3479, 0.4991 by changing the saturation by 10% instead.


 38.5652, 0.3479,
0.4991


 38.5652, 0.3479,
0.4991


340.0384, 0.3351,
0.4080


 26.4216, 0.3486,
0.5227


 72.9736, 0.3449,
0.4650


 17.1393, 0.3477,
0.5530


 96.0073, 0.3432,
0.4525


 10.3339, 0.3428,
0.5921


 123.4398, 0.3416,
0.4420

 5.6209, 0.3384,
0.6616

 155.6555, 0.3401,
0.4331

 2.6160, 0.2938,
0.7062

 193.0388, 0.3387,
0.4254

 0.9347, 0.0159,
0.9841

235.9741, 0.3374,

 0.0000, 0.0000,

0.4188

0.0000

284.8458, 0.3362,
0.4131

■ 38.5652, 0.3479,
0.4991

■ 38.5652, 0.3479,
0.4991

■ 37.7241, 0.3489,
0.5236

■ 39.5363, 0.3449,
0.4716

■ 37.0000, 0.3477,
0.5438

■ 40.6394, 0.3402,
0.4426

■ 36.3855, 0.3444,
0.5588

■ 41.8826, 0.3344,
0.4133

■ 35.9365, 0.3403,
0.5680

■ 43.2718, 0.3278,
0.3848

■ 44.8126, 0.3209,
0.3578

■ 46.5102, 0.3138,
0.3327

■ 48.3695, 0.3068,
0.3097

■ 50.3953, 0.3001,
0.2889

■ 52.5919, 0.2937,
0.2703

Harmonies

Analogous

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



38.5652, 0.4277, 0.4725



38.5652, 0.3479, 0.4991



38.5652, 0.2634, 0.4576

Triad

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



38.5652, 0.3479, 0.4991



38.5652, 0.1641, 0.2148



38.5652, 0.4359, 0.2875

Complementary

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



38.5652, 0.3479, 0.4991



11.9749, 0.2463, 0.1568

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.



38.5652, 0.3453, 0.2364



38.5652, 0.3479, 0.4991



38.5652, 0.1947, 0.1952

Square

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



38.5652, 0.3479, 0.4991



38.5652, 0.1641, 0.2693



38.5652, 0.2566, 0.2038



38.5652, 0.4882, 0.3487

Rectangle

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



38.5652, 0.3479, 0.4991



38.5652, 0.2159, 0.3954



38.5652, 0.2566, 0.2038



38.5652, 0.4080, 0.2689

Sweetspot

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



38.5669, 0.3479, 0.4991



79.3121, 0.3256, 0.3758



24.3760, 0.4504, 0.4007



17.3440, 0.3276, 0.3839



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.5669, 0.3479, 0.4991



67.8716, 0.3487, 0.5317



35.3487, 0.3057, 0.5235



10.2864, 0.3193, 0.3521



25.4141, 0.3411, 0.5673



0.9325, 0.3607, 0.5518

Inverse Universe

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



11.9749, 0.2463, 0.1568



15.5318, 0.2276, 0.1234



17.2573, 0.3146, 0.1868



8.9225, 0.3056, 0.3059



3.8283, 0.1986, 0.0868



0.1718, 0.2282, 0.1031

Previews

White Background



This preview shows how the Yxy color 38.5652, 0.3479, 0.4991 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 38.5652, 0.3479, 0.4991 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 38.5652, 0.3479, 0.4991

Background



This preview shows how black text looks on a background with the Yxy color 38.5652, 0.3479, 0.4991.



This preview shows how white text looks on a background with the Yxy color 38.5652, 0.3479, 0.4991.

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

38.5652, 0.3479, 0.4991

Protanopia

38.3451, 0.4150, 0.4572

Deuteranopia

37.9687, 0.4352, 0.4265



Tritanopia

38.6063, 0.2803, 0.3102

Trichromacy



Original Color

38.5652, 0.3479, 0.4991

Protanomaly

37.9096, 0.3902, 0.4729

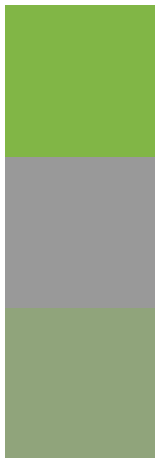
Deuteranomaly

37.4790, 0.4016, 0.4536

Tritanomaly

38.1321, 0.3069, 0.3784

Monochromacy



Original Color

38.5652, 0.3479, 0.4991

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.9103, 0.3295, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5652, 0.3479, 0.4991 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, 182, 70)` looks like.

```
.text, #text, p{  
    color:rgb(129, 182, 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(129, 182, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 182, 70) }
```

Border

The CSS property to change the border of an element to Yxy 38.5652, 0.3479, 0.4991 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, 182, 70) }
```

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

```
.border{ border-color:rgb(129, 182, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 182, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 182, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 182, 70);  
box-shadow:4px 4px 4px 4px rgb(129, 182,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5652, 0.3479, 0.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 182, 70) }
```

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

```
.background{ background-color: rgb(129,  
182, 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](#).

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