

Converting Colors

Yxy(38.8470, 0.3194, 0.4362)

Have a look what the booklet for
Yxy(38.8470, 0.3194, 0.4362)
contains.

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Color

Yxy(38.8292, 0.3197, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	80B571
RGB	128, 181, 113
RGB Percent	50%, 71%, 44%
CMY	0.4980, 0.2902, 0.5569
CMYK	0.29, 0.00, 0.38, 0.29
HSL	107°, 31%, 58%
HSV	107°, 38%, 71%
XYZ	28.4066, 38.8292, 21.6182
YIQ	157.4010, -9.7600, -32.3840

Conversions

Conversions Part 2

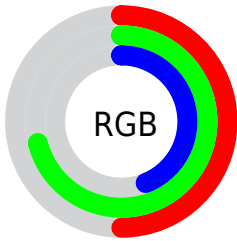
Format	Color
RYB	113, 181, 166
Decimal	8435057
CIELab	68.63, -30.48, 29.23
CIElCh	69, 42.231, 136.194
Yxy	38.8292, 0.3197, 0.4370
Android (android.graphics.Color)	4286625137 (0xFF80B571)
YUV	157.4010, -21.8897, -25.7847
Hunter-Lab	62.3131, -27.6752, 23.0498

Details

The Yxy color **38.8292, 0.3197, 0.4370** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.2518, 0.3002, 0.2329**, and the grayscale version is **34.0117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2301, 0.3196, 0.4152**, and **17.3450, 0.3180, 0.4745** is the 20% darker color. If you saturate the color by 10%, you get **37.4441, 0.3203, 0.4702**, and if you desaturate by 10%, it is **40.4510, 0.3184, 0.4050**.

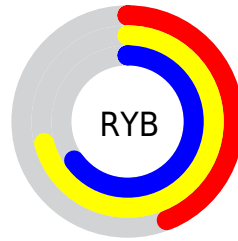
Distribution



Red (50%)

Green (71%)

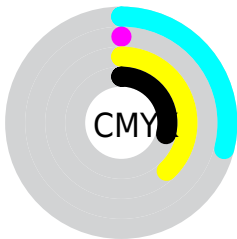
Blue (44%)



Red (44%)

Yellow (71%)

Blue (65%)

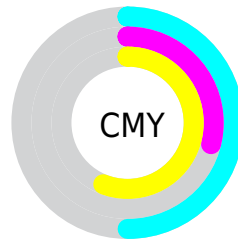


Cyan (29%)

Magenta (0%)

Yellow (38%)

Black (29%)



Cyan (50%)


Magenta (29%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8292, 0.3197, 0.4370 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 38.8292, 0.3197, 0.4370 by changing the saturation by 10% instead.


 38.8292, 0.3197,
0.4370


 38.8292, 0.3197,
0.4370


341.1638, 0.3179,
0.3786


 26.6269, 0.3194,
0.4530


 73.3773, 0.3196,
0.4147

 17.2932, 0.3184,
0.4743


 96.4919, 0.3193,
0.4067

 10.4438, 0.3160,
0.5040


 124.0127, 0.3191,
0.4000

 5.6942, 0.3102,
0.5476

 156.3241, 0.3188,
0.3944

 2.6600, 0.3081,
0.6432

193.8106, 0.3186,
0.3896

 0.9569, 0.1461,
0.8539

236.8564, 0.3184,

 0.0000, 0.0000,

0.3854

0.0000

285.8460, 0.3181,
0.3818

■ 38.8292, 0.3197,
0.4370

■ 38.8292, 0.3197,
0.4370

■ 37.4441, 0.3203,
0.4702

■ 40.4510, 0.3184,
0.4050

■ 36.2797, 0.3201,
0.5029

■ 42.3148, 0.3165,
0.3750

■ 35.3254, 0.3188,
0.5333


■ 44.4321, 0.3144,
0.3478


■ 34.5682, 0.3163,
0.5591

■ 46.8119, 0.3122,
0.3233


■ 33.9930, 0.3130,
0.5785

■ 49.4630, 0.3098,
0.3017


 33.5805, 0.3090,
0.5910

 52.3936, 0.3075,
0.2827

 33.4993, 0.3082,
0.5935

 55.6118, 0.3053,
0.2661

 58.9435, 0.3052,
0.2541

 61.5207, 0.3161,
0.2565

Harmonies

Analogous

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



38.8292, 0.3792, 0.4403



38.8292, 0.3197, 0.4370



38.8292, 0.2613, 0.3932

Triad

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



38.8292, 0.3197, 0.4370



38.8292, 0.2099, 0.2402



38.8292, 0.4140, 0.3175

Complementary

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



38.8292, 0.3197, 0.4370



23.2518, 0.3002, 0.2329

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.



38.8292, 0.3596, 0.2748



38.8292, 0.3197, 0.4370



38.8292, 0.2421, 0.2316

Square

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



38.8292, 0.3197, 0.4370



38.8292, 0.2019, 0.2730



38.8292, 0.2955, 0.2444



38.8292, 0.4376, 0.3654

Rectangle

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



38.8292, 0.3197, 0.4370



38.8292, 0.2309, 0.3505



38.8292, 0.2955, 0.2444



38.8292, 0.3984, 0.3023

Sweetspot

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



38.8309, 0.3197, 0.4370



78.1510, 0.3152, 0.3573



37.9753, 0.3756, 0.4016



16.7815, 0.3155, 0.3609



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.



38.8309, 0.3197, 0.4370



67.4808, 0.3203, 0.4641



38.2018, 0.2948, 0.4104



9.5775, 0.3148, 0.3523



23.1186, 0.3089, 0.5929



0.7531, 0.3287, 0.5772

Inverse Universe

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



23.2518, 0.3002, 0.2329



35.5769, 0.2963, 0.2119



24.2728, 0.3377, 0.2598



8.5503, 0.3104, 0.3063



6.2384, 0.2664, 0.1241



0.2198, 0.2825, 0.1330

Previews

White Background



This preview shows how the Yxy color 38.8292, 0.3197, 0.4370 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 38.8292, 0.3197, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

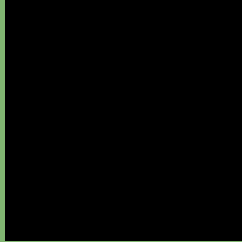
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8292, 0.3197, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 38.8292, 0.3197, 0.4370.



This preview shows how white text looks on a background with the Yxy color 38.8292, 0.3197, 0.4370.

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

38.8292, 0.3197, 0.4370

Protanopia

38.5227, 0.3799, 0.4119

Deuteranopia

38.4554, 0.3910, 0.3842



Tritanopia

38.6257, 0.2751, 0.3086

Trichromacy



Original Color

38.8292, 0.3197, 0.4370

Protanomaly

38.2906, 0.3568, 0.4215

Deuteranomaly

38.1505, 0.3635, 0.4032

Tritanomaly

38.3974, 0.2921, 0.3533

Monochromacy



Original Color

38.8292, 0.3197, 0.4370

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.3065, 0.3155, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8292, 0.3197, 0.4370 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(128, 181, 113)` looks like.

```
.text, #text, p{  
    color:rgb(128, 181, 113)  
}
```

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(128, 181, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 181, 113) }
```

Border

The CSS property to change the border of an element to Yxy 38.8292, 0.3197, 0.4370 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(128, 181, 113) }
```

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

```
.border{ border-color:rgb(128, 181, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 181, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 181, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 181, 113);  
box-shadow:4px 4px 4px 4px rgb(128, 181,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8292, 0.3197, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 181, 113) }
```

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

```
.background{ background-color: rgb(128,  
181, 113) }
```

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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