

Converting Colors

Yxy(38.8510, 0.2847, 0.4205)

Have a look what the booklet for
Yxy(38.8510, 0.2847, 0.4205)
contains.

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Color

Yxy(38.8510, 0.2847, 0.4205)

Conversions

Conversions Part 1

Format	Color
Hex	61B982
RGB	97, 185, 130
RGB Percent	38%, 73%, 51%
CMY	0.6198, 0.2745, 0.4901
CMYK	0.48, 0.00, 0.30, 0.27
HSL	143°, 39%, 55%
HSV	143°, 48%, 73%
XYZ	26.3041, 38.8510, 27.2373
YIQ	152.4180, -34.7930, -35.7610

Conversions

Conversions Part 2

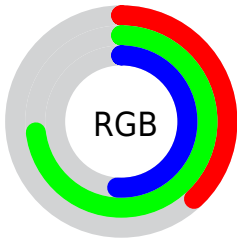
Format	Color
RYB	97, 161, 185
Decimal	6404482
CIELab	68.64, -39.01, 19.92
CIELCh	69, 43.797, 152.948
Yxy	38.8510, 0.2847, 0.4205
Android (android.graphics.Color)	4284594562 (0xFF61B982)
YUV	152.4180, -11.0521, -48.6016
Hunter-Lab	62.3306, -33.7497, 17.7228

Details

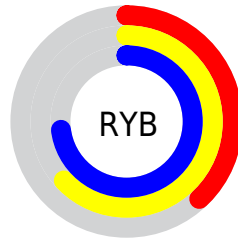
The Yxy color **38.8510, 0.2847, 0.4205** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.1191, 0.3597, 0.2537**, and the grayscale version is **31.6448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5986, 0.2909, 0.4021**, and **17.2629, 0.2742, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **37.6597, 0.2810, 0.4442**, and if you desaturate by 10%, it is **40.3173, 0.2895, 0.3980**.

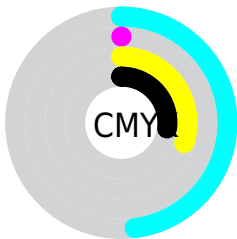
Distribution



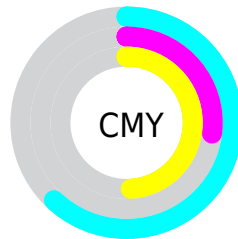
- Red (38%)
- Green (73%)
- Blue (51%)



- Red (38%)
- Yellow (63%)
- Blue (73%)



- Cyan (48%)
- Magenta (0%)
- Yellow (30%)
- Black (27%)





- Cyan (62%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8510, 0.2847, 0.4205 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 38.8510, 0.2847, 0.4205 by changing the saturation by 10% instead.


 38.8510, 0.2847,
0.4205


 38.8510, 0.2847,
0.4205


341.2566, 0.3004,
0.3708


 26.6438, 0.2801,
0.4343


 73.4106, 0.2909,
0.4014

 17.3059, 0.2738,
0.4530


 96.5319, 0.2930,
0.3946

 10.4528, 0.2647,
0.4794


 124.0600, 0.2948,
0.3889

 5.7002, 0.2502,
0.5194

 156.3793, 0.2963,
0.3841

 2.6637, 0.2249,
0.5868

193.8742, 0.2976,
0.3801

 0.9588, 0.0000,
1.0000

236.9291, 0.2987,

 0.0000, 0.0000,

0.3765

0.0000

285.9285, 0.2996,
0.3735

■ 38.8510, 0.2847,
0.4205

■ 38.8510, 0.2847,
0.4205

■ 37.6597, 0.2810,
0.4442

■ 40.3173, 0.2895,
0.3980

■ 36.7207, 0.2788,
0.4684

■ 42.0699, 0.2952,
0.3770

■ 36.0155, 0.2783,
0.4922

■ 44.1255, 0.3013,
0.3579


■ 35.5207, 0.2796,
0.5148

■ 46.4977, 0.3078,
0.3408


■ 35.2021, 0.2825,
0.5352


■ 49.1997, 0.3143,
0.3255

 35.1379, 0.2833,
0.5398

 52.2436, 0.3207,
0.3120

 55.6411, 0.3270,
0.3002

 59.4032, 0.3330,
0.2899

 61.9022, 0.3319,
0.2798

Harmonies

Analogous

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



38.8510, 0.3477, 0.4480



38.8510, 0.2847, 0.4205



38.8510, 0.2324, 0.3587

Triad

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



38.8510, 0.2847, 0.4205



38.8510, 0.2221, 0.2294



38.8510, 0.4363, 0.3442

Complementary

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



38.8510, 0.2847, 0.4205



21.1191, 0.3597, 0.2537

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.



38.8510, 0.3956, 0.2964



38.8510, 0.2847, 0.4205



38.8510, 0.2682, 0.2334

Square

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



38.8510, 0.2847, 0.4205



38.8510, 0.1998, 0.2488



38.8510, 0.3316, 0.2572



38.8510, 0.4384, 0.3932

Rectangle

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



38.8510, 0.2847, 0.4205



38.8510, 0.2099, 0.3138



38.8510, 0.3316, 0.2572



38.8510, 0.4266, 0.3277

Sweetspot

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



38.8526, 0.2847, 0.4205



80.3869, 0.3035, 0.3519



42.3091, 0.3518, 0.4567



17.1406, 0.3021, 0.3557



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.



38.8526, 0.2847, 0.4205



67.3774, 0.2809, 0.4450



40.2679, 0.2573, 0.3472



10.1144, 0.3066, 0.3436



23.9360, 0.2826, 0.5374



0.8560, 0.2674, 0.4828

Inverse Universe

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



21.1191, 0.3597, 0.2537



31.8350, 0.3746, 0.2394



19.9516, 0.4237, 0.3128



9.1040, 0.3193, 0.3148



7.8886, 0.4421, 0.2209



0.2897, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 38.8510, 0.2847, 0.4205 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 38.8510, 0.2847, 0.4205 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 38.8510, 0.2847, 0.4205

Background



This preview shows how black text looks on a background with the Yxy color 38.8510, 0.2847, 0.4205.



This preview shows how white text looks on a background with the Yxy color 38.8510, 0.2847, 0.4205.

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

38.8510, 0.2847, 0.4205

Protanopia

38.2613, 0.3650, 0.3908

Deuteranopia

38.2566, 0.3684, 0.3613



Tritanopia

38.6506, 0.2534, 0.3079

Trichromacy



Original Color

38.8510, 0.2847, 0.4205



Protanomaly

37.7574, 0.3307, 0.4023



Deuteranomaly

37.3663, 0.3325, 0.3813



Tritanomaly

38.6329, 0.2647, 0.3461

Monochromacy



Original Color

38.8510, 0.2847, 0.4205



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

33.4701, 0.3002, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8510, 0.2847, 0.4205 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(97, 185, 130)` looks like.

```
.text, #text, p{  
    color:rgb(97, 185, 130)  
}
```

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(97, 185, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 185, 130) }
```

Border

The CSS property to change the border of an element to Yxy 38.8510, 0.2847, 0.4205 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(97, 185, 130) }
```

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

```
.border{ border-color:rgb(97, 185, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 185, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 185, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 185, 130);  
box-shadow:4px 4px 4px 4px rgb(97, 185,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8510, 0.2847, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 185, 130) }
```

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

```
.background{ background-color: rgb(97, 185,  
130) }
```

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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