

Converting Colors

$Yxy(37.7313, 0.2683, 0.3837)$

Have a look what the booklet for
Yxy(37.7313, 0.2683, 0.3837)
contains.

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Color

Yxy(37.8500, 0.2683, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	5BB695
RGB	91, 182, 149
RGB Percent	36%, 71%, 58%
CMY	0.6428, 0.2863, 0.4157
CMYK	0.50, 0.00, 0.18, 0.29
HSL	158°, 38%, 54%
HSV	158°, 50%, 71%
XYZ	26.4733, 37.8500, 34.3472
YIQ	151.0290, -43.6430, -29.5550

Conversions

Conversions Part 2

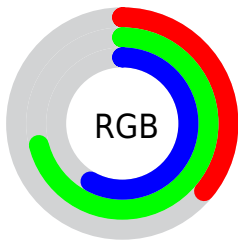
Format	Color
RYB	91, 147, 182
Decimal	6010517
CIELab	67.91, -35.15, 8.53
CIElCh	68, 36.167, 166.366
Yxy	37.8500, 0.2683, 0.3836
Android (android.graphics.Color)	4284200597 (0xFF5BB695)
YUV	151.0290, -1.0003, -52.6454
Hunter-Lab	61.5224, -30.8549, 9.9647

Details

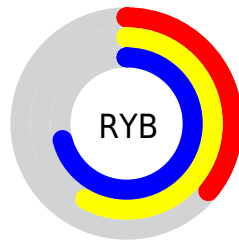
The Yxy color **37.8500, 0.2683, 0.3836** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.8970, 0.3988, 0.2824**, and the grayscale version is **30.9878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6639, 0.2772, 0.3721**, and **16.6115, 0.2539, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **36.8301, 0.2627, 0.3969**, and if you desaturate by 10%, it is **39.1092, 0.2754, 0.3709**.

Distribution



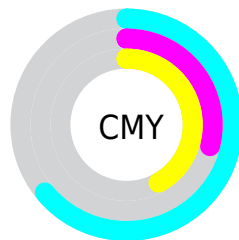
- Red (36%)
- Green (71%)
- Blue (58%)



- Red (36%)
- Yellow (58%)
- Blue (71%)



- Cyan (50%)
- Magenta (0%)
- Yellow (18%)
- Black (29%)




- Cyan (64%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8500, 0.2683, 0.3836 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 37.8500, 0.2683, 0.3836 by changing the saturation by 10% instead.

 37.8500, 0.2683,
0.3836


 37.8500, 0.2683,
0.3836


336.9761, 0.2917,
0.3544

 25.8663, 0.2621,
0.3916


 71.8782, 0.2771,
0.3725

 16.7236, 0.2538,
0.4022


 94.6914, 0.2803,
0.3685

 10.0376, 0.2424,
0.4172


 121.8833, 0.2830,
0.3652

 5.4239, 0.2257,
0.4397

 153.8382, 0.2852,
0.3623

 2.4981, 0.1988,
0.4773

190.9406, 0.2872,
0.3599

 0.8757, 0.0000,
0.7101

233.5747, 0.2889,

 0.0000, 0.0000,

0.3578

0.0000

282.1251, 0.2904,
0.3560

■ 37.8500, 0.2683,
0.3836

■ 37.8500, 0.2683,
0.3836

■ 36.8301, 0.2627,
0.3969

■ 39.1092, 0.2754,
0.3709

■ 36.0283, 0.2589,
0.4107

■ 40.6182, 0.2836,
0.3590

■ 35.4272, 0.2571,
0.4247


■ 42.3924, 0.2928,
0.3480


■ 35.0044, 0.2572,
0.4386

■ 44.4443, 0.3026,
0.3380


■ 34.7144, 0.2590,
0.4522


■ 46.7859, 0.3128,
0.3290

 34.7132, 0.2590,
0.4523

 49.4284, 0.3231,
0.3209

 52.3824, 0.3333,
0.3137

 55.6580, 0.3434,
0.3074

 59.2647, 0.3532,
0.3018

Harmonies

Analogous

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



37.8500, 0.3194, 0.4209



37.8500, 0.2683, 0.3836



37.8500, 0.2312, 0.3292

Triad

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



37.8500, 0.2683, 0.3836



37.8500, 0.2515, 0.2434



37.8500, 0.4208, 0.3624

Complementary

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



37.8500, 0.2683, 0.3836



18.8970, 0.3988, 0.2824

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.



37.8500, 0.4003, 0.3199



37.8500, 0.2683, 0.3836



37.8500, 0.2985, 0.2546

Square

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



37.8500, 0.2683, 0.3836



37.8500, 0.2226, 0.2515



37.8500, 0.3538, 0.2818



37.8500, 0.4091, 0.4013

Rectangle

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



37.8500, 0.2683, 0.3836



37.8500, 0.2181, 0.2952



37.8500, 0.3538, 0.2818



37.8500, 0.4175, 0.3482

Sweetspot

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



37.8515, 0.2683, 0.3836



78.5480, 0.2974, 0.3432



38.5259, 0.3314, 0.4730



17.1794, 0.2953, 0.3453



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.



37.8515, 0.2683, 0.3836



66.6057, 0.2623, 0.3984



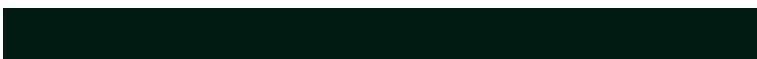
34.3066, 0.2446, 0.3094



10.1538, 0.3032, 0.3374



24.5292, 0.2585, 0.4507



0.8761, 0.2487, 0.4154

Inverse Universe

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



18.8970, 0.3988, 0.2824



28.2800, 0.4296, 0.2744



20.4417, 0.4417, 0.3466



9.0646, 0.3232, 0.3207



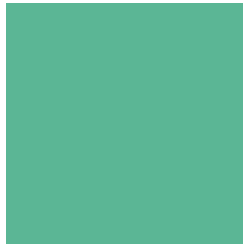
7.3129, 0.5494, 0.2800



0.2699, 0.4777, 0.2405

Previews

White Background



This preview shows how the Yxy color 37.8500, 0.2683, 0.3836 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 37.8500, 0.2683, 0.3836 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 37.8500, 0.2683, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 37.8500, 0.2683, 0.3836.

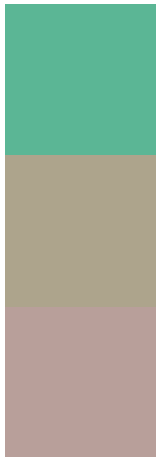


This preview shows how white text looks on a background with the Yxy color 37.8500, 0.2683, 0.3836.

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

37.8500, 0.2683, 0.3836

Protanopia

37.3286, 0.3431, 0.3634

Deuteranopia

37.3197, 0.3420, 0.3359



Tritanopia

37.6519, 0.2484, 0.3075

Trichromacy



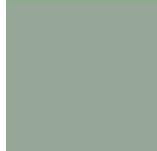
Original Color

37.8500, 0.2683, 0.3836



Protanomaly

36.9486, 0.3107, 0.3721



Deuteranomaly

36.3885, 0.3098, 0.3516



Tritanomaly

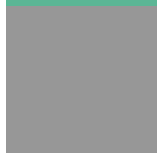
37.5886, 0.2556, 0.3336

Monochromacy



Original Color

37.8500, 0.2683, 0.3836



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

32.7098, 0.2926, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8500, 0.2683, 0.3836 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(91, 182, 149)` looks like.

```
.text, #text, p{  
    color:rgb(91, 182, 149)  
}
```

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(91, 182, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 182, 149) }
```

Border

The CSS property to change the border of an element to Yxy 37.8500, 0.2683, 0.3836 is called "border". The border property can be set on classes, ids or directly on the HTML element.

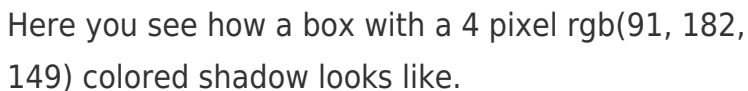
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 182, 149) }
```

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

```
.border{ border-color:rgb(91, 182, 149) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 182, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 182, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 182, 149); box-shadow:4px 4px 4px 4px rgb(91, 182, 149) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8500, 0.2683, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 182, 149) }
```

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

```
.background{ background-color: rgb(91, 182,  
149) }
```

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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