

Converting Colors

$Yxy(37.4059, 0.2645, 0.3791)$

Have a look what the booklet for
Yxy(37.4059, 0.2645, 0.3791)
contains.

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Color

Yxy(37.3083, 0.2645, 0.3789)

Conversions

Conversions Part 1

Format	Color
Hex	57B597
RGB	87, 181, 151
RGB Percent	34%, 71%, 59%
CMY	0.6587, 0.2902, 0.4078
CMYK	0.52, 0.00, 0.17, 0.29
HSL	161°, 39%, 53%
HSV	161°, 52%, 71%
XYZ	26.0439, 37.3083, 35.1125
YIQ	149.4740, -46.3940, -29.2580

Conversions

Conversions Part 2

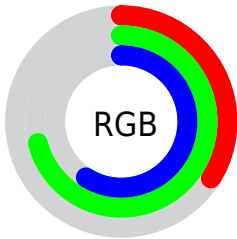
Format	Color
RYB	87, 143, 181
Decimal	5748119
CIELab	67.51, -35.19, 6.83
CIElCh	68, 35.846, 169.019
Yxy	37.3083, 0.2645, 0.3789
Android (android.graphics.Color)	4283938199 (0xFF57B597)
YUV	149.4740, 0.7523, -54.7897
Hunter-Lab	61.0805, -30.7809, 8.6731

Details

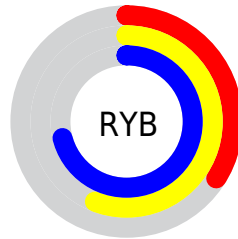
The Yxy color **37.3083, 0.2645, 0.3789** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.9318, 0.4105, 0.2866**, and the grayscale version is **30.2818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8158, 0.2740, 0.3686**, and **16.2810, 0.2487, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **36.3615, 0.2589, 0.3906**, and if you desaturate by 10%, it is **38.4857, 0.2717, 0.3677**.

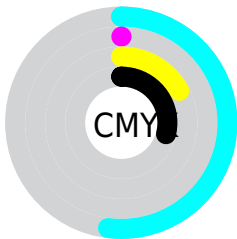
Distribution



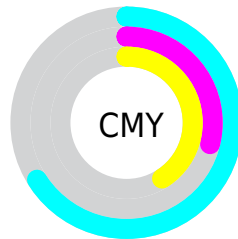
- Red (34%)
- Green (71%)
- Blue (59%)



- Red (34%)
- Yellow (56%)
- Blue (71%)



- Cyan (52%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)




- Cyan (66%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3083, 0.2645, 0.3789 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 37.3083, 0.2645, 0.3789 by changing the saturation by 10% instead.


 37.3083, 0.2645,
0.3789


 37.3083, 0.2645,
0.3789

334.6434, 0.2898,
0.3523

 25.4463, 0.2578,
0.3861


 71.0467, 0.2740,
0.3688

 16.4099, 0.2490,
0.3958


 93.6919, 0.2774,
0.3652

 9.8146, 0.2368,
0.4093


 120.7002, 0.2803,
0.3621

 5.2762, 0.2189,
0.4297

 152.4561, 0.2828,
0.3595

 2.4102, 0.1906,
0.4634

189.3440, 0.2849,
0.3573

 0.8311, 0.0000,
0.6603

231.7482, 0.2867,

 0.0000, 0.0000,

0.3554

0.0000

280.0532, 0.2884,
0.3538

■ 37.3083, 0.2645,
0.3789

■ 37.3083, 0.2645,
0.3789

■ 36.3615, 0.2589,
0.3906

■ 38.4857, 0.2717,
0.3677

■ 35.6240, 0.2551,
0.4026

■ 39.9043, 0.2802,
0.3572

■ 35.0783, 0.2533,
0.4147

■ 41.5793, 0.2897,
0.3475

■ 34.7014, 0.2534,
0.4268

■ 43.5234, 0.2999,
0.3386

■ 34.4827, 0.2546,
0.4364

■ 45.7485, 0.3106,
0.3305

■ 48.2655, 0.3216,
0.3232

■ 51.0851, 0.3325,
0.3167

■ 54.2172, 0.3433,
0.3110

■ 57.6714, 0.3539,
0.3060

Harmonies

Analogous

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



37.3083, 0.3146, 0.4185



37.3083, 0.2645, 0.3789



37.3083, 0.2292, 0.3244

Triad

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



37.3083, 0.2645, 0.3789



37.3083, 0.2552, 0.2440



37.3083, 0.4206, 0.3660

Complementary

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



37.3083, 0.2645, 0.3789



17.9318, 0.4105, 0.2866

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.



37.3083, 0.4029, 0.3237



37.3083, 0.2645, 0.3789



37.3083, 0.3033, 0.2567

Square

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



37.3083, 0.2645, 0.3789



37.3083, 0.2246, 0.2503



37.3083, 0.3584, 0.2850



37.3083, 0.4063, 0.4040

Rectangle

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



37.3083, 0.2645, 0.3789



37.3083, 0.2175, 0.2914



37.3083, 0.3584, 0.2850



37.3083, 0.4183, 0.3519

Sweetspot

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



37.3098, 0.2645, 0.3789



76.3742, 0.2954, 0.3423



37.6123, 0.3290, 0.4803



16.3561, 0.2934, 0.3442



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.



37.3098, 0.2645, 0.3789



64.9578, 0.2584, 0.3919



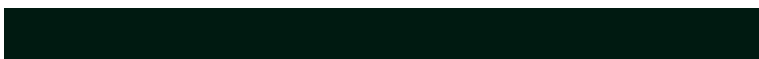
32.3968, 0.2415, 0.3034



9.5845, 0.3027, 0.3364



23.7855, 0.2542, 0.4349



0.7584, 0.2449, 0.4017

Inverse Universe

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



17.9318, 0.4105, 0.2866



26.5288, 0.4449, 0.2802



20.1536, 0.4466, 0.3516



8.5485, 0.3239, 0.3218



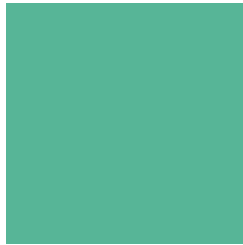
6.9926, 0.5657, 0.2890



0.2309, 0.4856, 0.2449

Previews

White Background



This preview shows how the Yxy color 37.3083, 0.2645, 0.3789 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 37.3083, 0.2645, 0.3789 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 37.3083, 0.2645, 0.3789

Background



This preview shows how black text looks on a background with the Yxy color 37.3083, 0.2645, 0.3789.



This preview shows how white text looks on a background with the Yxy color 37.3083, 0.2645, 0.3789.

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

37.3083, 0.2645, 0.3789

Protanopia

36.8053, 0.3395, 0.3593

Deuteranopia

36.7991, 0.3383, 0.3318



Tritanopia

37.4210, 0.2461, 0.3074

Trichromacy



Original Color

37.3083, 0.2645, 0.3789

Protanomaly

36.3692, 0.3064, 0.3678

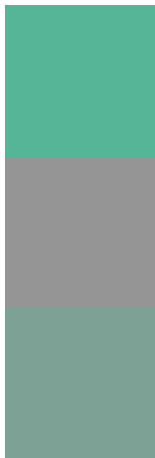
Deuteranomaly

35.8086, 0.3054, 0.3472

Tritanomaly

37.4083, 0.2527, 0.3320

Monochromacy



Original Color

37.3083, 0.2645, 0.3789

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.1274, 0.2899, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3083, 0.2645, 0.3789 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(87, 181, 151)` looks like.

```
.text, #text, p{  
    color:rgb(87, 181, 151)  
}
```

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(87, 181, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 181, 151) }
```

Border

The CSS property to change the border of an element to Yxy 37.3083, 0.2645, 0.3789 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(87, 181, 151) }
```

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

```
.border{ border-color:rgb(87, 181, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 181, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 181, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 181, 151);  
box-shadow:4px 4px 4px 4px rgb(87, 181,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3083, 0.2645, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 181, 151) }
```

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

```
.background{ background-color: rgb(87, 181,  
151) }
```

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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