

Converting Colors

$Y_{xy}(37.6410, 0.2595, 0.3848)$

Have a look what the booklet for
Yxy(37.6410, 0.2595, 0.3848)
contains.

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Color

Yxy(37.5648, 0.2594, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	4BB796
RGB	75, 183, 150
RGB Percent	29%, 72%, 59%
CMY	0.7062, 0.2823, 0.4117
CMYK	0.59, 0.00, 0.18, 0.28
HSL	162°, 43%, 51%
HSV	162°, 59%, 72%
XYZ	25.3362, 37.5648, 34.7714
YIQ	146.9460, -53.7750, -33.1590

Conversions

Conversions Part 2

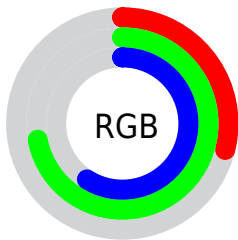
Format	Color
RYB	75, 139, 183
Decimal	4962198
CIELab	67.70, -38.98, 7.60
CIELCh	68, 39.716, 168.963
Yxy	37.5648, 0.2594, 0.3846
Android (android.graphics.Color)	4283152278 (0xFF4BB796)
YUV	146.9460, 1.5056, -63.0966
Hunter-Lab	61.2901, -33.4691, 9.2664

Details

The Yxy color **37.5648, 0.2594, 0.3846** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.1726, 0.4349, 0.2842**, and the grayscale version is **29.1578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6664, 0.2700, 0.3740**, and **16.6014, 0.2453, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **36.7564, 0.2550, 0.3960**, and if you desaturate by 10%, it is **38.5969, 0.2656, 0.3736**.

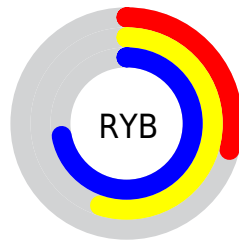
Distribution



Red (29%)

Green (72%)

Blue (59%)



Red (29%)

Yellow (55%)

Blue (72%)

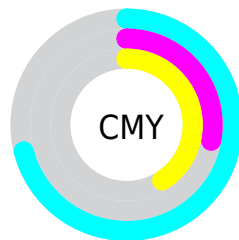


Cyan (59%)

Magenta (0%)

Yellow (18%)

Black (28%)



Cyan (71%)


Magenta (28%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5648, 0.2594, 0.3846 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 37.5648, 0.2594, 0.3846 by changing the saturation by 10% instead.


 37.5648, 0.2594,
0.3846


 37.5648, 0.2594,
0.3846


335.7494, 0.2873,
0.3549

 25.6451, 0.2520,
0.3927


 71.4406, 0.2699,
0.3733


 16.5583, 0.2423,
0.4035


 94.1655, 0.2737,
0.3692


 9.9201, 0.2288,
0.4187


 121.2609, 0.2769,
0.3659

 5.3460, 0.2093,
0.4414

 153.1112, 0.2796,
0.3630

 2.4517, 0.1784,
0.4791

 190.1008, 0.2820,
0.3605

 0.8523, 0.0000,
0.6825

232.6141, 0.2840,

 0.0000, 0.0000,

0.3584

0.0000

281.0355, 0.2858,
0.3565

■ 37.5648, 0.2594,
0.3846

■ 37.5648, 0.2594,
0.3846

■ 36.7564, 0.2550,
0.3960

■ 38.5969, 0.2656,
0.3736

■ 36.1484, 0.2525,
0.4075

■ 39.8649, 0.2733,
0.3631

■ 35.7201, 0.2519,
0.4191

■ 41.3853, 0.2823,
0.3533

■ 35.4315, 0.2531,
0.4305

■ 43.1719, 0.2922,
0.3442

■ 35.4066, 0.2532,
0.4316

■ 45.2375, 0.3028,
0.3358

■ 47.5939, 0.3138,
0.3283

■ 50.2524, 0.3249,
0.3216

■ 53.2236, 0.3361,
0.3156

■ 56.5176, 0.3470,
0.3103

Harmonies

Analogous

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



37.5648, 0.3143, 0.4289



37.5648, 0.2594, 0.3846



37.5648, 0.2211, 0.3235

Triad

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



37.5648, 0.2594, 0.3846



37.5648, 0.2494, 0.2361



37.5648, 0.4318, 0.3685

Complementary

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



37.5648, 0.2594, 0.3846



16.1726, 0.4349, 0.2842

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.



37.5648, 0.4125, 0.3224



37.5648, 0.2594, 0.3846



37.5648, 0.3019, 0.2500

Square

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



37.5648, 0.2594, 0.3846



37.5648, 0.2163, 0.2426



37.5648, 0.3629, 0.2806



37.5648, 0.4155, 0.4106

Rectangle

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



37.5648, 0.2594, 0.3846



37.5648, 0.2086, 0.2870



37.5648, 0.3629, 0.2806



37.5648, 0.4294, 0.3531

Sweetspot

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



37.5663, 0.2594, 0.3846



77.5740, 0.2930, 0.3435



37.6392, 0.3280, 0.5033



16.9147, 0.2900, 0.3461



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.



37.5663, 0.2594, 0.3846



65.4460, 0.2540, 0.3996



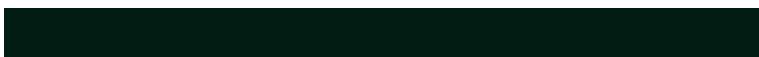
31.1762, 0.2334, 0.2961



10.1627, 0.3025, 0.3361



24.7100, 0.2528, 0.4302



0.8816, 0.2447, 0.4008

Inverse Universe

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



16.1726, 0.4349, 0.2842



23.6195, 0.4799, 0.2800



18.7142, 0.4734, 0.3563



9.0562, 0.3241, 0.3220



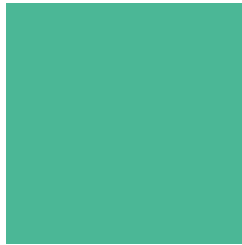
7.2324, 0.5711, 0.2920



0.2664, 0.4959, 0.2505

Previews

White Background



This preview shows how the Yxy color 37.5648, 0.2594, 0.3846 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 37.5648, 0.2594, 0.3846 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 37.5648, 0.2594, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 37.5648, 0.2594, 0.3846.

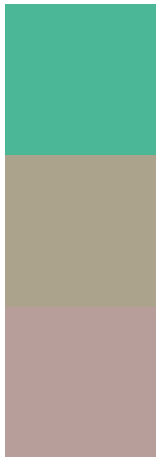


This preview shows how white text looks on a background with the Yxy color 37.5648, 0.2594, 0.3846.

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

37.5648, 0.2594, 0.3846

Protanopia

36.8585, 0.3423, 0.3621

Deuteranopia

36.8876, 0.3403, 0.3332



Tritanopia

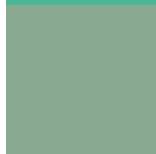
37.4237, 0.2406, 0.3057

Trichromacy



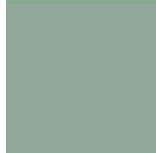
Original Color

37.5648, 0.2594, 0.3846



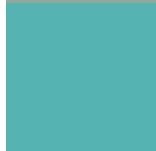
Protanomaly

36.0814, 0.3046, 0.3697



Deuteranomaly

35.8666, 0.3035, 0.3504



Tritanomaly

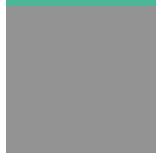
37.3458, 0.2472, 0.3320

Monochromacy



Original Color

37.5648, 0.2594, 0.3846



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.3447, 0.2871, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5648, 0.2594, 0.3846 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(75, 183, 150)` looks like.

```
.text, #text, p{  
    color:rgb(75, 183, 150)  
}
```

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(75, 183, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 183, 150) }
```

Border

The CSS property to change the border of an element to Yxy 37.5648, 0.2594, 0.3846 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(75, 183, 150) }
```

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

```
.border{ border-color:rgb(75, 183, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 183, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 183, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 183, 150);  
box-shadow:4px 4px 4px 4px rgb(75, 183,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5648, 0.2594, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 183, 150) }
```

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

```
.background{ background-color: rgb(75, 183,  
150) }
```

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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