

Converting Colors

$Yxy(37.7056, 0.2530, 0.3918)$

Have a look what the booklet for
Yxy(37.7056, 0.2530, 0.3918)
contains.

Yxy(37.6768, 0.2534, 0.3924)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6768, 0.2534, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	38B994
RGB	56, 185, 148
RGB Percent	22%, 73%, 58%
CMY	0.7799, 0.2745, 0.4196
CMYK	0.70, 0.00, 0.20, 0.27
HSL	163°, 53%, 47%
HSV	163°, 70%, 73%
XYZ	24.3305, 37.6768, 34.0090
YIQ	142.2110, -65.0070, -38.8550

Conversions

Conversions Part 2

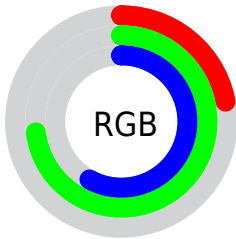
Format	Color
RYB	56, 131, 185
Decimal	3717524
CIELab	67.78, -43.65, 8.75
CIELCh	68, 44.523, 168.662
Yxy	37.6768, 0.2534, 0.3924
Android (android.graphics.Color)	4281907604 (0xFF38B994)
YUV	142.2110, 2.8540, -75.6070
Hunter-Lab	61.3814, -36.6632, 10.1168

Details

The Yxy color **37.6768, 0.2534, 0.3924** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **13.9466, 0.4758, 0.2835**, and the grayscale version is **27.1604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6905, 0.2650, 0.3797**, and **17.0957, 0.2479, 0.4126** is the 20% darker color. If you saturate the color by 10%, you get **37.0746, 0.2509, 0.4032**, and if you desaturate by 10%, it is **38.4867, 0.2579, 0.3818**.

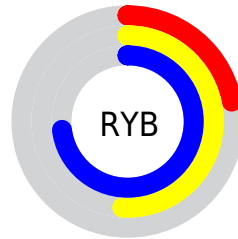
Distribution



Red (22%)

Green (73%)

Blue (58%)



Red (22%)

Yellow (51%)

Blue (73%)

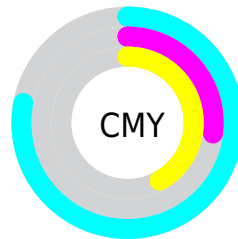


Cyan (70%)

Magenta (0%)

Yellow (20%)

Black (27%)



Cyan (78%)


Magenta (27%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6768, 0.2534, 0.3924 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 37.6768, 0.2534, 0.3924 by changing the saturation by 10% instead.


 37.6768, 0.2534,
0.3924


 37.6768, 0.2534,
0.3924


336.2315, 0.2845,
0.3584

 25.7319, 0.2452,
0.4017


 71.6125, 0.2651,
0.3795


 16.6232, 0.2343,
0.4141


 94.3721, 0.2693,
0.3748

 9.9662, 0.2194,
0.4316


 121.5054, 0.2729,
0.3709

 5.3766, 0.1977,
0.4579

 153.3969, 0.2759,
0.3676

 2.4699, 0.1635,
0.5015

 190.4308, 0.2785,
0.3648

 0.8615, 0.0000,
0.7254

232.9916, 0.2808,

 0.0000, 0.0000,

0.3624

0.0000

281.4637, 0.2828,
0.3603

■ 37.6768, 0.2534,
0.3924

■ 37.6768, 0.2534,
0.3924

■ 37.0746, 0.2509,
0.4032

■ 38.4867, 0.2579,
0.3818

■ 36.6525, 0.2503,
0.4140

■ 39.5195, 0.2641,
0.3714

■ 36.3677, 0.2514,
0.4247

■ 40.7938, 0.2719,
0.3616

■ 36.3587, 0.2514,
0.4250

■ 42.3250, 0.2810,
0.3523

■ 44.1275, 0.2911,
0.3437

■ 46.2143, 0.3019,
0.3359

■ 48.5977, 0.3131,
0.3288

■ 51.2892, 0.3245,
0.3224

■ 54.2997, 0.3360,
0.3167

Harmonies

Analogous

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



37.6768, 0.3142, 0.4424



37.6768, 0.2534, 0.3924



37.6768, 0.2113, 0.3227

Triad

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



37.6768, 0.2534, 0.3924



37.6768, 0.2417, 0.2265



37.6768, 0.4458, 0.3709

Complementary

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



37.6768, 0.2534, 0.3924



13.9466, 0.4758, 0.2835

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.



37.6768, 0.4242, 0.3204



37.6768, 0.2534, 0.3924



37.6768, 0.2996, 0.2417

Square

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



37.6768, 0.2534, 0.3924



37.6768, 0.2060, 0.2332



37.6768, 0.3680, 0.2749



37.6768, 0.4271, 0.4182

Rectangle

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



37.6768, 0.2534, 0.3924



37.6768, 0.1977, 0.2818



37.6768, 0.3680, 0.2749



37.6768, 0.4432, 0.3539

Sweetspot

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



37.6783, 0.2534, 0.3924



78.4590, 0.2893, 0.3451



37.4038, 0.3254, 0.5348



16.7181, 0.2865, 0.3475



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.



37.6783, 0.2534, 0.3924



65.9361, 0.2503, 0.4094



29.2193, 0.2230, 0.2854



10.1655, 0.3022, 0.3356



24.7718, 0.2510, 0.4237



0.8834, 0.2434, 0.3962

Inverse Universe

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



13.9466, 0.4758, 0.2835



20.7288, 0.5336, 0.2861



16.6199, 0.5152, 0.3608



9.0535, 0.3244, 0.3225



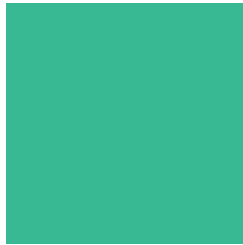
7.2099, 0.5776, 0.2955



0.2652, 0.5021, 0.2540

Previews

White Background



This preview shows how the Yxy color 37.6768, 0.2534, 0.3924 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 37.6768, 0.2534, 0.3924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

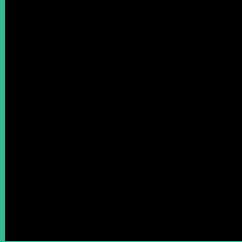
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6768, 0.2534, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 37.6768, 0.2534, 0.3924.

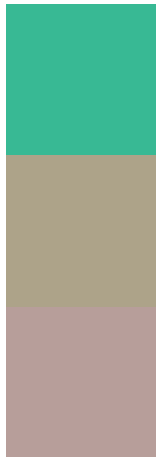


This preview shows how white text looks on a background with the Yxy color 37.6768, 0.2534, 0.3924.

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

37.6768, 0.2534, 0.3924

Protanopia

36.8848, 0.3461, 0.3664

Deuteranopia

36.8541, 0.3413, 0.3346



Tritanopia

37.6682, 0.2348, 0.3070

Trichromacy



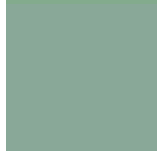
Original Color

37.6768, 0.2534, 0.3924



Protanomaly

35.8742, 0.3017, 0.3768



Deuteranomaly

35.5906, 0.2982, 0.3539



Tritanomaly

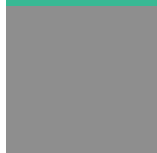
37.4873, 0.2407, 0.3353

Monochromacy



Original Color

37.6768, 0.2534, 0.3924



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.8468, 0.2817, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6768, 0.2534, 0.3924 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(56, 185, 148)` looks like.

```
.text, #text, p{  
    color:rgb(56, 185, 148)  
}
```

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(56, 185, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 185, 148) }
```

Border

The CSS property to change the border of an element to Yxy 37.6768, 0.2534, 0.3924 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(56, 185, 148) }
```

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

```
.border{ border-color:rgb(56, 185, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 185, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 185, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 185, 148);  
box-shadow:4px 4px 4px 4px rgb(56, 185,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6768, 0.2534, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 185, 148) }
```

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

```
.background{ background-color: rgb(56, 185,  
148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor