

Converting Colors

$Yxy(37.2441, 0.2808, 0.3648)$

Have a look what the booklet for
Yxy(37.2441, 0.2808, 0.3648)
contains.

Yxy(37.0968, 0.2803, 0.3641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.0968, 0.2803, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	74B09A
RGB	116, 176, 154
RGB Percent	45%, 69%, 60%
CMY	0.5452, 0.3098, 0.3960
CMYK	0.34, 0.00, 0.12, 0.31
HSL	158°, 28%, 57%
HSV	158°, 34%, 69%
XYZ	28.5587, 37.0968, 36.2308
YIQ	155.5520, -28.6980, -19.5620

Conversions

Conversions Part 2

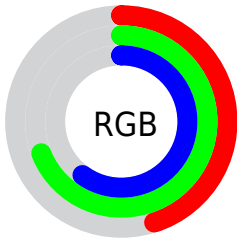
Format	Color
RYB	116, 153, 176
Decimal	7647386
CIELab	67.35, -24.37, 5.11
CIELCh	67, 24.905, 168.149
Yxy	37.0968, 0.2803, 0.3641
Android (android.graphics.Color)	4285837466 (0xFF74B09A)
YUV	155.5520, -0.7651, -34.6871
Hunter-Lab	60.9071, -22.8907, 7.3662

Details

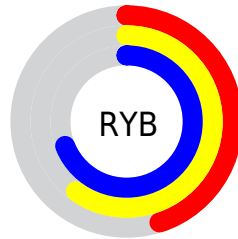
The Yxy color **37.0968, 0.2803, 0.3641** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.5508, 0.3621, 0.2968**, and the grayscale version is **33.0477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8133, 0.2870, 0.3577**, and **16.2352, 0.2694, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **35.7953, 0.2725, 0.3764**, and if you desaturate by 10%, it is **38.6413, 0.2891, 0.3526**.

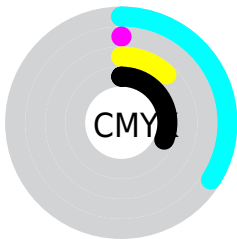
Distribution



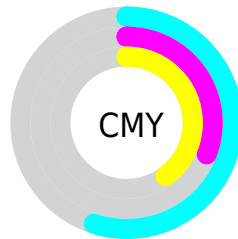
- Red (45%)
- Green (69%)
- Blue (60%)



- Red (45%)
- Yellow (60%)
- Blue (69%)



- Cyan (34%)
- Magenta (0%)
- Yellow (12%)
- Black (31%)





- Cyan (55%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0968, 0.2803, 0.3641 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 37.0968, 0.2803, 0.3641 by changing the saturation by 10% instead.


 37.0968, 0.2803,
0.3641


 37.0968, 0.2803,
0.3641


333.7294, 0.2973,
0.3455

 25.2824, 0.2758,
0.3691


 70.7216, 0.2867,
0.3571

 16.2876, 0.2698,
0.3758


 93.3009, 0.2890,
0.3545

 9.7279, 0.2616,
0.3852


 120.2373, 0.2909,
0.3524

 5.2189, 0.2495,
0.3992

151.9152, 0.2926,
0.3506

 2.3763, 0.2299,
0.4224

188.7189, 0.2940,
0.3490

 0.8136, 0.1173,
0.5352

231.0329, 0.2953,

 0.0000, 0.0000,

0.3477

0.0000

279.2416, 0.2963,
0.3465

■ 37.0968, 0.2803,
0.3641

■ 37.0968, 0.2803,
0.3641

■ 35.7953, 0.2725,
0.3764

■ 38.6413, 0.2891,
0.3526

■ 34.7193, 0.2661,
0.3895

■ 40.4365, 0.2986,
0.3421

■ 33.8557, 0.2613,
0.4032

■ 42.4951, 0.3085,
0.3326


■ 33.1885, 0.2583,
0.4172

■ 44.8277, 0.3187,
0.3241

■ 32.6992, 0.2572,
0.4313

■ 47.4443, 0.3289,
0.3165

 32.3654, 0.2581,
0.4452

 50.3543, 0.3390,
0.3097

 32.2124, 0.2592,
0.4532

 53.5668, 0.3489,
0.3038

 56.7505, 0.3569,
0.2985

 57.0697, 0.3513,
0.2920

Harmonies

Analogous

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



37.0968, 0.3162, 0.3900



37.0968, 0.2803, 0.3641



37.0968, 0.2540, 0.3279

Triad

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



37.0968, 0.2803, 0.3641



37.0968, 0.2714, 0.2678



37.0968, 0.3877, 0.3562

Complementary

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



37.0968, 0.2803, 0.3641



23.5508, 0.3621, 0.2968

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.



37.0968, 0.3746, 0.3254



37.0968, 0.2803, 0.3641



37.0968, 0.3056, 0.2764

Square

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



37.0968, 0.2803, 0.3641



37.0968, 0.2493, 0.2738



37.0968, 0.3438, 0.2970



37.0968, 0.3792, 0.3824

Rectangle

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



37.0968, 0.2803, 0.3641



37.0968, 0.2449, 0.3048



37.0968, 0.3438, 0.2970



37.0968, 0.3857, 0.3460

Sweetspot

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



37.0983, 0.2803, 0.3641



74.7417, 0.3025, 0.3383



37.7161, 0.3271, 0.4231



16.0894, 0.3011, 0.3396



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.0983, 0.2803, 0.3641



65.4413, 0.2743, 0.3734



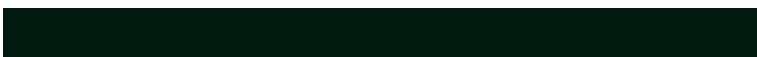
34.8527, 0.2636, 0.3164



9.5776, 0.3033, 0.3375



23.6443, 0.2588, 0.4518



0.7547, 0.2482, 0.4133

Inverse Universe

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



23.5508, 0.3621, 0.2968



37.0795, 0.3781, 0.2895



24.9021, 0.3872, 0.3411



8.5550, 0.3231, 0.3207



7.0585, 0.5477, 0.2791



0.2336, 0.4706, 0.2366

Previews

White Background



This preview shows how the Yxy color 37.0968, 0.2803, 0.3641 looks on a white background.

Color Contrast Check

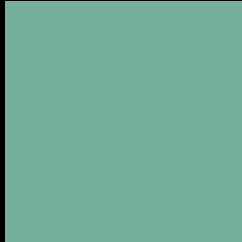
Large Text (above 18pt) WCAG AA × Fail

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 37.0968, 0.2803, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

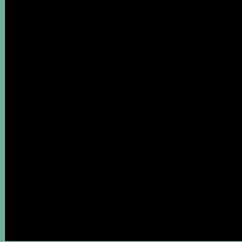
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0968, 0.2803, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 37.0968, 0.2803, 0.3641.



This preview shows how white text looks on a background with the Yxy color 37.0968, 0.2803, 0.3641.

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

37.0968, 0.2803, 0.3641

Protanopia

36.8470, 0.3338, 0.3521

Deuteranopia

36.7461, 0.3354, 0.3291



Tritanopia

37.2188, 0.2633, 0.3094

Trichromacy



Original Color

37.0968, 0.2803, 0.3641

Protanomaly

36.6913, 0.3114, 0.3562

Deuteranomaly

36.5127, 0.3122, 0.3408

Tritanomaly

36.9362, 0.2688, 0.3273

Monochromacy



Original Color

37.0968, 0.2803, 0.3641

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.2237, 0.2992, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0968, 0.2803, 0.3641 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(116, 176, 154)` looks like.

```
.text, #text, p{  
    color:rgb(116, 176, 154)  
}
```

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(116, 176, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 176, 154) }
```

Border

The CSS property to change the border of an element to Yxy 37.0968, 0.2803, 0.3641 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(116, 176, 154) }
```

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

```
.border{ border-color:rgb(116, 176, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 176, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 176, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 176, 154);  
box-shadow:4px 4px 4px 4px rgb(116, 176,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0968, 0.2803, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 176, 154) }
```

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

```
.background{ background-color: rgb(116,  
176, 154) }
```

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