

Converting Colors

$Y_{xy}(37.9720, 0.2911, 0.3668)$

Have a look what the booklet for
Yxy(37.9720, 0.2911, 0.3668)
contains.

Yxy(37.9069, 0.2909, 0.3665)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9069, 0.2909, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	80B098
RGB	128, 176, 152
RGB Percent	50%, 69%, 60%
CMY	0.4983, 0.3097, 0.4039
CMYK	0.27, 0.00, 0.14, 0.31
HSL	150°, 23%, 60%
HSV	150°, 27%, 69%
XYZ	30.0876, 37.9069, 35.4349
YIQ	158.9120, -20.9040, -17.6400

Conversions

Conversions Part 2

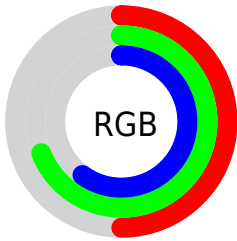
Format	Color
R _Y B	128, 160, 176
Decimal	8433816
CIE Lab	67.95, -21.10, 7.18
CIE LCh	68, 22.285, 161.216
Yxy	37.9069, 0.2909, 0.3665
Android (android.graphics.Color)	4286623896 (0xFF80B098)
YUV	158.9120, -3.4076, -27.1098
Hunter-Lab	61.5686, -20.5148, 8.9745

Details

The Yxy color **37.9069, 0.2909, 0.3665** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.9200, 0.3421, 0.2944**, and the grayscale version is **34.6468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1145, 0.2956, 0.3595**, and **16.6833, 0.2836, 0.3787** is the 20% darker color. If you saturate the color by 10%, you get **36.3831, 0.2839, 0.3829**, and if you desaturate by 10%, it is **39.6919, 0.2986, 0.3515**.

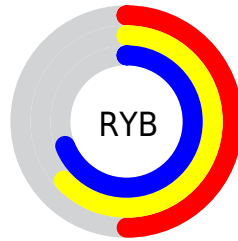
Distribution



Red (50%)

Green (69%)

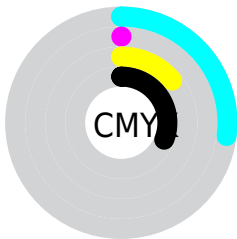
Blue (60%)



Red (50%)

Yellow (63%)

Blue (69%)

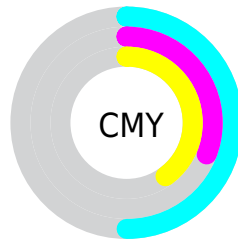


Cyan (27%)

Magenta (0%)

Yellow (14%)

Black (31%)



Cyan (50%)


Magenta (31%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9069, 0.2909, 0.3665 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 37.9069, 0.2909, 0.3665 by changing the saturation by 10% instead.

 37.9069, 0.2909,
0.3665


 37.9069, 0.2909,
0.3665


337.2204, 0.3024,
0.3466

 25.9104, 0.2878,
0.3719


 71.9654, 0.2952,
0.3590

 16.7567, 0.2837,
0.3790


 94.7963, 0.2968,
0.3563

 10.0611, 0.2780,
0.3891


 122.0074, 0.2981,
0.3540

 5.4395, 0.2695,
0.4041

153.9831, 0.2993,
0.3521

 2.5074, 0.2556,
0.4289

191.1079, 0.3002,
0.3504

 0.8803, 0.1939,
0.5307

233.7661, 0.3010,

 0.0000, 0.0000,

0.3490

0.0000

282.3422, 0.3018,
0.3477

■ 37.9069, 0.2909,
0.3665

■ 37.9069, 0.2909,
0.3665

■ 36.3831, 0.2839,
0.3829

■ 39.6919, 0.2986,
0.3515

■ 35.1032, 0.2778,
0.4005

■ 41.7452, 0.3067,
0.3380

■ 34.0549, 0.2730,
0.4191

■ 44.0795, 0.3149,
0.3259

■ 33.2229, 0.2698,
0.4384

■ 46.7051, 0.3232,
0.3151

■ 32.5902, 0.2685,
0.4579

■ 49.6319, 0.3313,
0.3057

■ 32.1368, 0.2691,
0.4770

■ 52.8694, 0.3392,
0.2973

■ 31.8334, 0.2715,
0.4952

■ 56.4265, 0.3467,
0.2901

■ 31.7630, 0.2722,
0.5000

■ 57.6096, 0.3425,
0.2819

■ 58.0946, 0.3352,
0.2734

Harmonies

Analogous

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



37.9069, 0.3238, 0.3858



37.9069, 0.2909, 0.3665



37.9069, 0.2647, 0.3358

Triad

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



37.9069, 0.2909, 0.3665



37.9069, 0.2702, 0.2743



37.9069, 0.3782, 0.3474

Complementary

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



37.9069, 0.2909, 0.3665



26.9200, 0.3421, 0.2944

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.



37.9069, 0.3624, 0.3198



37.9069, 0.2909, 0.3665



37.9069, 0.2988, 0.2791

Square

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



37.9069, 0.2909, 0.3665



37.9069, 0.2534, 0.2831



37.9069, 0.3328, 0.2954



37.9069, 0.3752, 0.3722

Rectangle

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



37.9069, 0.2909, 0.3665



37.9069, 0.2542, 0.3146



37.9069, 0.3328, 0.2954



37.9069, 0.3749, 0.3382

Sweetspot

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



37.9085, 0.2909, 0.3665



75.3700, 0.3060, 0.3391



39.2873, 0.3305, 0.4012



16.2089, 0.3048, 0.3410



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.



37.9085, 0.2909, 0.3665



66.9536, 0.2864, 0.3766



38.7768, 0.2736, 0.3289



9.5587, 0.3050, 0.3406



23.3121, 0.2717, 0.4981



0.7453, 0.2574, 0.4466

Inverse Universe

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



26.9200, 0.3421, 0.2944



43.5622, 0.3511, 0.2861



26.2112, 0.3706, 0.3292



8.5737, 0.3212, 0.3177



7.3002, 0.4930, 0.2490



0.2415, 0.4329, 0.2158

Previews

White Background



This preview shows how the Yxy color 37.9069, 0.2909, 0.3665 looks on a white background.

Color Contrast Check

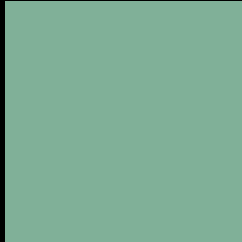
Large Text (above 18pt) WCAG AA × Fail

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 37.9069, 0.2909, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

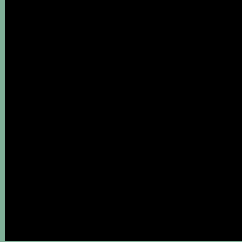
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9069, 0.2909, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 37.9069, 0.2909, 0.3665.



This preview shows how white text looks on a background with the Yxy color 37.9069, 0.2909, 0.3665.

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

37.9069, 0.2909, 0.3665

Protanopia

37.7562, 0.3363, 0.3561

Deuteranopia

37.4771, 0.3421, 0.3345



Tritanopia

37.7795, 0.2719, 0.3083

Trichromacy



Original Color

37.9069, 0.2909, 0.3665

Protanomaly

37.5820, 0.3186, 0.3602

Deuteranomaly

37.1359, 0.3214, 0.3450

Tritanomaly

37.8098, 0.2784, 0.3289

Monochromacy



Original Color

37.9069, 0.2909, 0.3665

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.6065, 0.3047, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9069, 0.2909, 0.3665 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(128, 176, 152)` looks like.

```
.text, #text, p{  
    color:rgb(128, 176, 152)  
}
```

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(128, 176, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 176, 152) }
```

Border

The CSS property to change the border of an element to Yxy 37.9069, 0.2909, 0.3665 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(128, 176, 152) }
```

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

```
.border{ border-color:rgb(128, 176, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 176, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 176, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 176, 152);  
box-shadow:4px 4px 4px 4px rgb(128, 176,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9069, 0.2909, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 176, 152) }
```

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

```
.background{ background-color: rgb(128,  
176, 152) }
```

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