

Converting Colors

$Yxy(37.6881, 0.2992, 0.4065)$

Have a look what the booklet for
Yxy(37.6881, 0.2992, 0.4065)
contains.

Yxy(37.8008, 0.2994, 0.4068)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8008, 0.2994, 0.4068)

Conversions

Conversions Part 1

Format	Color
Hex	77B383
RGB	119, 179, 131
RGB Percent	47%, 70%, 51%
CMY	0.5335, 0.2980, 0.4863
CMYK	0.34, 0.00, 0.27, 0.30
HSL	132°, 28%, 58%
HSV	132°, 34%, 70%
XYZ	27.8209, 37.8008, 27.3006
YIQ	155.5880, -20.3520, -27.6480

Conversions

Conversions Part 2

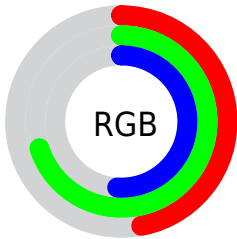
Format	Color
RYB	119, 169, 179
Decimal	7844739
CIELab	67.87, -29.54, 18.49
CIELCh	68, 34.854, 147.952
Yxy	37.8008, 0.2994, 0.4068
Android (android.graphics.Color)	4286034819 (0xFF77B383)
YUV	155.5880, -12.1219, -32.0877
Hunter-Lab	61.4824, -26.8224, 16.7106

Details

The Yxy color **37.8008, 0.2994, 0.4068** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.5604, 0.3298, 0.2621**, and the grayscale version is **33.1120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7616, 0.3028, 0.3908**, and **16.7447, 0.2943, 0.4350** is the 20% darker color. If you saturate the color by 10%, you get **36.2915, 0.2960, 0.4351**, and if you desaturate by 10%, it is **39.6054, 0.3032, 0.3806**.

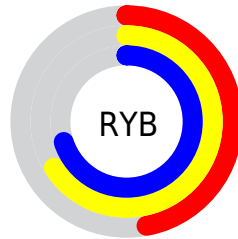
Distribution



Red (47%)

Green (70%)

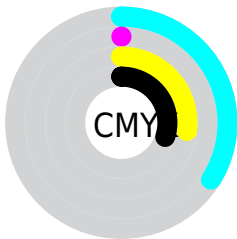
Blue (51%)



Red (47%)

Yellow (66%)

Blue (70%)

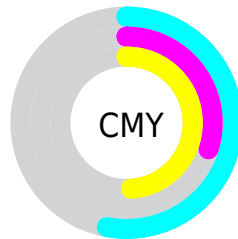


Cyan (34%)

Magenta (0%)

Yellow (27%)

Black (30%)



Cyan (53%)

Magenta (30%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8008, 0.2994, 0.4068 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 37.8008, 0.2994, 0.4068 by changing the saturation by 10% instead.


 37.8008, 0.2994,
0.4068


 37.8008, 0.2994,
0.4068


336.7647, 0.3072,
0.3647


 25.8281, 0.2970,
0.4185


 71.8027, 0.3026,
0.3907

 16.6951, 0.2936,
0.4341


 94.6007, 0.3037,
0.3849

 10.0173, 0.2884,
0.4564


 121.7760, 0.3045,
0.3801

 5.4105, 0.2798,
0.4901

153.7129, 0.3053,
0.3760

 2.4900, 0.2638,
0.5469

190.7958, 0.3059,
0.3726

 0.8716, 0.1096,
0.8904

233.4092, 0.3064,

 0.0000, 0.0000,

0.3696

0.0000

281.9373, 0.3069,
0.3670

■ 37.8008, 0.2994,
0.4068

■ 37.8008, 0.2994,
0.4068

■ 36.2915, 0.2960,
0.4351

■ 39.6054, 0.3032,
0.3806

■ 35.0573, 0.2932,
0.4647

■ 41.7150, 0.3073,
0.3569

■ 34.0824, 0.2914,
0.4945


■ 44.1446, 0.3113,
0.3359

■ 33.3480, 0.2907,
0.5229


■ 46.9070, 0.3153,
0.3173

■ 32.8322, 0.2913,
0.5482

■ 50.0141, 0.3191,
0.3011

 32.5094, 0.2930,
0.5690

 53.4773, 0.3226,
0.2870

 32.3706, 0.2943,
0.5796

 57.3074, 0.3260,
0.2748

 60.1283, 0.3234,
0.2631

 60.7241, 0.3162,
0.2546

Harmonies

Analogous

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



37.8008, 0.3508, 0.4240



37.8008, 0.2994, 0.4068



37.8008, 0.2539, 0.3620

Triad

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



37.8008, 0.2994, 0.4068



37.8008, 0.2339, 0.2487



37.8008, 0.4083, 0.3362

Complementary

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



37.8008, 0.2994, 0.4068



25.5604, 0.3298, 0.2621

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.



37.8008, 0.3717, 0.2968



37.8008, 0.2994, 0.4068



37.8008, 0.2694, 0.2483

Square

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



37.8008, 0.2994, 0.4068



37.8008, 0.2186, 0.2693



37.8008, 0.3195, 0.2656



37.8008, 0.4162, 0.3770

Rectangle

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



37.8008, 0.2994, 0.4068



37.8008, 0.2326, 0.3266



37.8008, 0.3195, 0.2656



37.8008, 0.3989, 0.3225

Sweetspot

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



37.8024, 0.2994, 0.4068



76.1033, 0.3086, 0.3495



41.7909, 0.3510, 0.4145



16.7309, 0.3081, 0.3526



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.



37.8024, 0.2994, 0.4068



65.7127, 0.2969, 0.4268



38.7369, 0.2780, 0.3570



9.5170, 0.3090, 0.3477



22.8795, 0.2939, 0.5779



0.7280, 0.2797, 0.5271

Inverse Universe

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



25.5604, 0.3298, 0.2621



40.5234, 0.3344, 0.2481



24.5767, 0.3661, 0.3030



8.6170, 0.3167, 0.3110



8.1862, 0.3782, 0.1857



0.2650, 0.3595, 0.1754

Previews

White Background



This preview shows how the Yxy color 37.8008, 0.2994, 0.4068 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 37.8008, 0.2994, 0.4068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

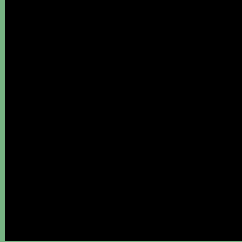
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8008, 0.2994, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 37.8008, 0.2994, 0.4068.



This preview shows how white text looks on a background with the Yxy color 37.8008, 0.2994, 0.4068.

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

37.8008, 0.2994, 0.4068

Protanopia

37.2363, 0.3609, 0.3860

Deuteranopia

37.2794, 0.3681, 0.3603



Tritanopia

37.7960, 0.2676, 0.3082

Trichromacy



Original Color

37.8008, 0.2994, 0.4068

Protanomaly

36.8768, 0.3357, 0.3925

Deuteranomaly

36.9930, 0.3401, 0.3760

Tritanomaly

37.8487, 0.2791, 0.3428

Monochromacy



Original Color

37.8008, 0.2994, 0.4068

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.4971, 0.3078, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8008, 0.2994, 0.4068 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(119, 179, 131)` looks like.

```
.text, #text, p{  
    color:rgb(119, 179, 131)  
}
```

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(119, 179, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 179, 131) }
```

Border

The CSS property to change the border of an element to Yxy 37.8008, 0.2994, 0.4068 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(119, 179, 131) }
```

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

```
.border{ border-color:rgb(119, 179, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 179, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 179, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 179, 131);  
box-shadow:4px 4px 4px 4px rgb(119, 179,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8008, 0.2994, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 179, 131) }
```

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

```
.background{ background-color: rgb(119,  
179, 131) }
```

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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