

Converting Colors

$Yxy(33.5560, 0.3000, 0.3902)$

Have a look what the booklet for
Yxy(33.5560, 0.3000, 0.3902)
contains.

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Color

Yxy(33.6370, 0.3002, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	78A883
RGB	120, 168, 131
RGB Percent	47%, 66%, 51%
CMY	0.5294, 0.3412, 0.4862
CMYK	0.29, 0.00, 0.22, 0.34
HSL	134°, 22%, 56%
HSV	134°, 29%, 66%
XYZ	25.8455, 33.6370, 26.6117
YIQ	149.4300, -16.7310, -21.6830

Conversions

Conversions Part 2

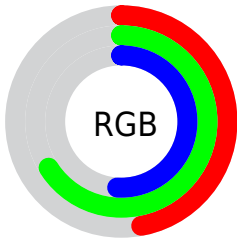
Format	Color
RYB	120, 159, 168
Decimal	7907459
CIELab	64.67, -23.80, 14.05
CIElCh	65, 27.636, 149.450
Yxy	33.6370, 0.3002, 0.3907
Android (android.graphics.Color)	4286097539 (0xFF78A883)
YUV	149.4300, -9.0860, -25.8101
Hunter-Lab	57.9974, -21.9502, 13.3934

Details

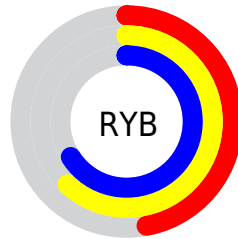
The Yxy color $33.6370, 0.3002, 0.3907$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $24.1896, 0.3283, 0.2744$, and the grayscale version is $30.2905, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.1203, 0.3029, 0.3774$, and $14.3870, 0.2959, 0.4150$ is the 20% darker color. If you saturate the color by 10%, you get $32.2115, 0.2962, 0.4168$, and if you desaturate by 10%, it is $35.3199, 0.3045, 0.3668$.

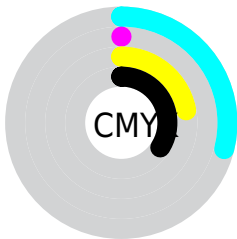
Distribution



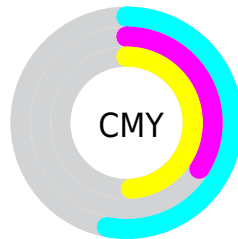
- Red (47%)
- Green (66%)
- Blue (51%)



- Red (47%)
- Yellow (62%)
- Blue (66%)



- Cyan (29%)
- Magenta (0%)
- Yellow (22%)
- Black (34%)





- Cyan (53%)
- Magenta (34%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6370, 0.3002, 0.3907 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 33.6370, 0.3002, 0.3907 by changing the saturation by 10% instead.


 33.6370, 0.3002,
0.3907


 33.6370, 0.3002,
0.3907


318.5104, 0.3074,
0.3570


 22.6149, 0.2980,
0.4002


 65.3688, 0.3031,
0.3777

 14.3094, 0.2949,
0.4132


 86.8472, 0.3041,
0.3730

 8.3362, 0.2903,
0.4318


 112.5799, 0.3049,
0.3692

 4.3108, 0.2827,
0.4607

142.9512, 0.3056,
0.3660

 1.8489, 0.2688,
0.5129

178.3455, 0.3061,
0.3632

 0.5174, 0.0000,
1.0000

219.1472, 0.3066,

 0.0000, 0.0000,

0.3608

0.0000

265.7407, 0.3070,
0.3588

■ 33.6370, 0.3002,
0.3907

■ 33.6370, 0.3002,
0.3907

■ 32.2115, 0.2962,
0.4168

■ 35.3199, 0.3045,
0.3668

■ 31.0265, 0.2929,
0.4447

■ 37.2677, 0.3089,
0.3454

■ 30.0698, 0.2903,
0.4734

■ 39.4928, 0.3133,
0.3264

■ 29.3262, 0.2889,
0.5019

■ 42.0056, 0.3176,
0.3098

■ 28.7786, 0.2889,
0.5287

■ 44.8159, 0.3217,
0.2953

■ 28.4075, 0.2901,
0.5522

■ 47.9331, 0.3256,
0.2826

■ 28.1782, 0.2924,
0.5712

■ 51.3661, 0.3293,
0.2717

■ 28.1504, 0.2927,
0.5736

■ 55.1236, 0.3327,
0.2621

■ 56.0116, 0.3226,
0.2506

Harmonies

Analogous

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



33.6370, 0.3429, 0.4066



33.6370, 0.3002, 0.3907



33.6370, 0.2625, 0.3541

Triad

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



33.6370, 0.3002, 0.3907



33.6370, 0.2480, 0.2615



33.6370, 0.3923, 0.3376

Complementary

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



33.6370, 0.3002, 0.3907



24.1896, 0.3283, 0.2744

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.



33.6370, 0.3633, 0.3039



33.6370, 0.3002, 0.3907



33.6370, 0.2789, 0.2615

Square

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



33.6370, 0.3002, 0.3907



33.6370, 0.2340, 0.2787



33.6370, 0.3209, 0.2768



33.6370, 0.3978, 0.3717

Rectangle

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



33.6370, 0.3002, 0.3907



33.6370, 0.2449, 0.3255



33.6370, 0.3209, 0.2768



33.6370, 0.3849, 0.3260

Sweetspot

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



33.6384, 0.3002, 0.3907



67.4034, 0.3087, 0.3466



36.5911, 0.3445, 0.4013



14.5774, 0.3080, 0.3495



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.6384, 0.3002, 0.3907



59.4198, 0.2977, 0.4062



34.3455, 0.2821, 0.3509



8.4349, 0.3086, 0.3469



21.2639, 0.2922, 0.5721



0.5248, 0.2750, 0.5101

Inverse Universe

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



24.1896, 0.3283, 0.2744



39.5495, 0.3325, 0.2626



23.4662, 0.3566, 0.3083



7.6367, 0.3171, 0.3118



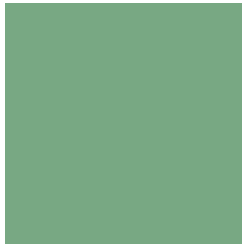
7.4995, 0.3878, 0.1910



0.1895, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 33.6370, 0.3002, 0.3907 looks on a white background.

Color Contrast Check

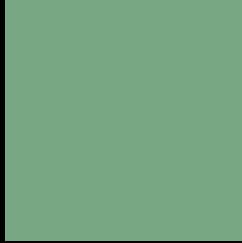
Large Text (above 18pt) WCAG AA × Fail

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 33.6370, 0.3002, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

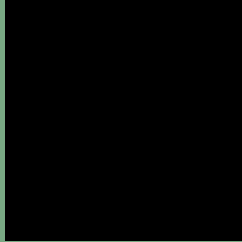
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6370, 0.3002, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 33.6370, 0.3002, 0.3907.



This preview shows how white text looks on a background with the Yxy color 33.6370, 0.3002, 0.3907.

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

33.6370, 0.3002, 0.3907

Protanopia

33.3646, 0.3524, 0.3754

Deuteranopia

33.1457, 0.3582, 0.3506



Tritanopia

33.5250, 0.2723, 0.3088

Trichromacy



Original Color

33.6370, 0.3002, 0.3907

Protanomaly

33.0635, 0.3317, 0.3809

Deuteranomaly

33.1043, 0.3351, 0.3642

Tritanomaly

33.4141, 0.2822, 0.3369

Monochromacy



Original Color

33.6370, 0.3002, 0.3907

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.1332, 0.3078, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6370, 0.3002, 0.3907 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(120, 168, 131)` looks like.

```
.text, #text, p{  
    color:rgb(120, 168, 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(120, 168, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 168, 131) }
```

Border

The CSS property to change the border of an element to Yxy 33.6370, 0.3002, 0.3907 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(120, 168, 131) }
```

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

```
.border{ border-color:rgb(120, 168, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 168, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 168, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 168, 131);  
box-shadow:4px 4px 4px 4px rgb(120, 168,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6370, 0.3002, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 168, 131) }
```

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

```
.background{ background-color: rgb(120,  
168, 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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