

Converting Colors

$Yxy(33.3086, 0.2803, 0.3487)$

Have a look what the booklet for
Yxy(33.3086, 0.2803, 0.3487)
contains.

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Color

Yxy(33.3874, 0.2798, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	75A69A
RGB	117, 166, 154
RGB Percent	46%, 65%, 60%
CMY	0.5412, 0.3490, 0.3960
CMYK	0.30, 0.00, 0.07, 0.35
HSL	165°, 22%, 55%
HSV	165°, 30%, 65%
XYZ	26.8057, 33.3874, 35.6100
YIQ	149.9810, -25.3520, -14.1200

Conversions

Conversions Part 2

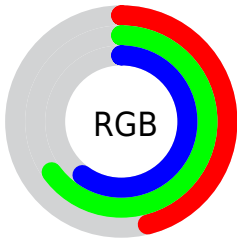
Format	Color
RYB	117, 145, 166
Decimal	7710362
CIELab	64.47, -18.97, 0.95
CIELCh	64, 18.998, 177.128
Yxy	33.3874, 0.2798, 0.3485
Android (android.graphics.Color)	4285900442 (0xFF75A69A)
YUV	149.9810, 1.9814, -28.9243
Hunter-Lab	57.7818, -18.3098, 3.9078

Details

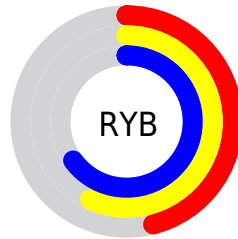
The Yxy color **33.3874, 0.2798, 0.3485** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.4141, 0.3609, 0.3105**, and the grayscale version is **30.4910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8130, 0.2863, 0.3448**, and **14.1722, 0.2686, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **32.2060, 0.2703, 0.3562**, and if you desaturate by 10%, it is **34.7800, 0.2903, 0.3413**.

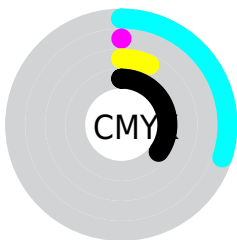
Distribution



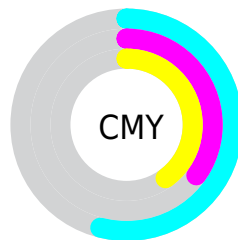
- Red (46%)
- Green (65%)
- Blue (60%)



- Red (46%)
- Yellow (57%)
- Blue (65%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (35%)



- Cyan (54%)
- Magenta (35%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3874, 0.2798, 0.3485 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 33.3874, 0.2798, 0.3485 by changing the saturation by 10% instead.


 33.3874, 0.2798,
0.3485


 33.3874, 0.2798,
0.3485

317.3918, 0.2972,
0.3382


 22.4234, 0.2751,
0.3513


 64.9799, 0.2863,
0.3446

 14.1683, 0.2690,
0.3550


 86.3771, 0.2887,
0.3432

 8.2378, 0.2604,
0.3602


 112.0209, 0.2907,
0.3420

 4.2475, 0.2476,
0.3680

142.2957, 0.2924,
0.3410

 1.8130, 0.2267,
0.3808

177.5857, 0.2938,
0.3401

 0.4952, 0.0077,
0.5077

218.2755, 0.2951,

 0.0000, 0.0000,

0.3394

0.0000

264.7494, 0.2962,
0.3388

■ 33.3874, 0.2798,
0.3485

■ 33.3874, 0.2798,
0.3485

■ 32.2060, 0.2703,
0.3562

■ 34.7800, 0.2903,
0.3413

■ 31.2209, 0.2621,
0.3644

■ 36.3898, 0.3016,
0.3347

■ 30.4217, 0.2555,
0.3730

■ 38.2274, 0.3133,
0.3287

■ 29.7952, 0.2506,
0.3819

■ 40.3017, 0.3253,
0.3233

■ 29.3266, 0.2476,
0.3908

■ 42.6211, 0.3373,
0.3185

■ 28.9986, 0.2465,
0.3998

■ 45.1934, 0.3492,
0.3143

■ 28.7744, 0.2470,
0.4087

■ 48.0262, 0.3608,
0.3106

■ 28.7642, 0.2470,
0.4092

■ 51.1269, 0.3721,
0.3073

■ 52.2755, 0.3729,
0.3035

Harmonies

Analogous

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



33.3874, 0.3069, 0.3719



33.3874, 0.2798, 0.3485



33.3874, 0.2619, 0.3201

Triad

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



33.3874, 0.2798, 0.3485



33.3874, 0.2874, 0.2808



33.3874, 0.3716, 0.3581

Complementary

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



33.3874, 0.2798, 0.3485



22.4141, 0.3609, 0.3105

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.



33.3874, 0.3662, 0.3340



33.3874, 0.2798, 0.3485



33.3874, 0.3164, 0.2909

Square

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



33.3874, 0.2798, 0.3485



33.3874, 0.2661, 0.2823



33.3874, 0.3456, 0.3099



33.3874, 0.3604, 0.3761

Rectangle

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



33.3874, 0.2798, 0.3485



33.3874, 0.2571, 0.3031



33.3874, 0.3456, 0.3099



33.3874, 0.3717, 0.3504

Sweetspot

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



33.3888, 0.2798, 0.3485



66.1524, 0.3020, 0.3345



33.2443, 0.3200, 0.4101



14.7055, 0.3003, 0.3354



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.



33.3888, 0.2798, 0.3485



59.2360, 0.2738, 0.3532



29.5643, 0.2688, 0.3088



8.5002, 0.3018, 0.3346



22.3122, 0.2468, 0.4083



0.5502, 0.2386, 0.3789

Inverse Universe

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



22.4141, 0.3609, 0.3105



36.2486, 0.3750, 0.3065



25.1579, 0.3712, 0.3482



7.5713, 0.3249, 0.3235



6.4150, 0.5906, 0.3027



0.1639, 0.5018, 0.2538

Previews

White Background



This preview shows how the Yxy color 33.3874, 0.2798, 0.3485 looks on a white background.

Color Contrast Check

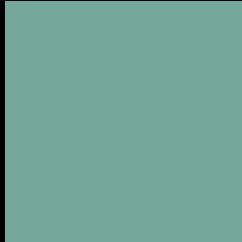
Large Text (above 18pt) WCAG AA × Fail

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 33.3874, 0.2798, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

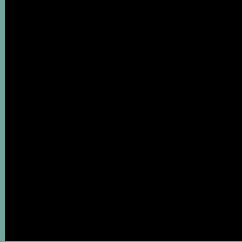
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

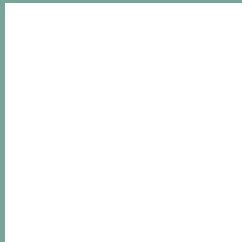
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3874, 0.2798, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 33.3874, 0.2798, 0.3485.



This preview shows how white text looks on a background with the Yxy color 33.3874, 0.2798, 0.3485.

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

33.3874, 0.2798, 0.3485

Protanopia

33.0544, 0.3242, 0.3395

Deuteranopia

33.1136, 0.3263, 0.3204



Tritanopia

33.4665, 0.2671, 0.3086

Trichromacy



Original Color

33.3874, 0.2798, 0.3485

Protanomaly

32.9276, 0.3063, 0.3430

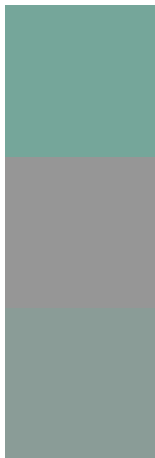
Deuteranomaly

32.7565, 0.3078, 0.3290

Tritanomaly

33.3711, 0.2715, 0.3225

Monochromacy



Original Color

33.3874, 0.2798, 0.3485

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.4146, 0.2998, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3874, 0.2798, 0.3485 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(117, 166, 154)` looks like.

```
.text, #text, p{  
    color:rgb(117, 166, 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(117, 166, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 166, 154) }
```

Border

The CSS property to change the border of an element to Yxy 33.3874, 0.2798, 0.3485 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(117, 166, 154) }
```

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

```
.border{ border-color:rgb(117, 166, 154) }
```

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

Here you see how a box with a 4 pixel rgb(117, 166, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 166, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 166, 154);  
box-shadow:4px 4px 4px 4px rgb(117, 166,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3874, 0.2798, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 166, 154) }
```

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

```
.background{ background-color: rgb(117,  
166, 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](#).

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