

Converting Colors

$Y_{xy}(33.2677, 0.2885, 0.3682)$

Have a look what the booklet for
Yxy(33.2677, 0.2885, 0.3682)
contains.

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Color

Yxy(33.4025, 0.2883, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	75A78F
RGB	117, 167, 143
RGB Percent	46%, 65%, 56%
CMY	0.5412, 0.3451, 0.4392
CMYK	0.30, 0.00, 0.14, 0.35
HSL	151°, 22%, 56%
HSV	151°, 30%, 65%
XYZ	26.1116, 33.4025, 31.0567
YIQ	149.3140, -22.0960, -18.0640

Conversions

Conversions Part 2

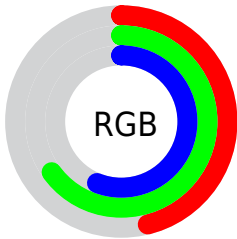
Format	Color
RYB	117, 150, 167
Decimal	7710607
CIELab	64.49, -21.88, 7.12
CIELCh	64, 23.010, 161.986
Yxy	33.4025, 0.2883, 0.3688
Android (android.graphics.Color)	4285900687 (0xFF75A78F)
YUV	149.3140, -3.1128, -28.3394
Hunter-Lab	57.7949, -20.4953, 8.5963

Details

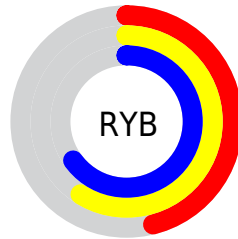
The Yxy color **33.4025, 0.2883, 0.3688** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.8596, 0.3469, 0.2925**, and the grayscale version is **30.2141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8198, 0.2930, 0.3598**, and **14.2451, 0.2800, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **32.1142, 0.2813, 0.3847**, and if you desaturate by 10%, it is **34.9173, 0.2961, 0.3542**.

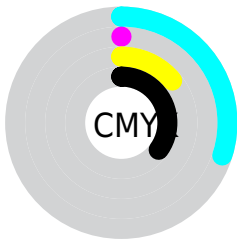
Distribution



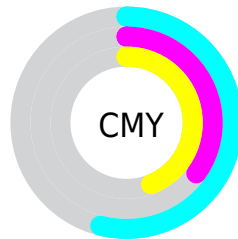
- Red (46%)
- Green (65%)
- Blue (56%)



- Red (46%)
- Yellow (59%)
- Blue (65%)



- Cyan (30%)
- Magenta (0%)
- Yellow (14%)
- Black (35%)





- Cyan (54%)
- Magenta (35%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4025, 0.2883, 0.3688 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 33.4025, 0.2883, 0.3688 by changing the saturation by 10% instead.


 33.4025, 0.2883,
0.3688


 33.4025, 0.2883,
0.3688


317.4595, 0.3014,
0.3473

 22.4350, 0.2847,
0.3748


 65.0034, 0.2933,
0.3605

 14.1769, 0.2798,
0.3829


 86.4056, 0.2951,
0.3576

 8.2438, 0.2729,
0.3945


 112.0548, 0.2966,
0.3551

 4.2513, 0.2623,
0.4125

142.3354, 0.2979,
0.3530

 1.8151, 0.2441,
0.4436

177.6317, 0.2990,
0.3513

 0.4966, 0.0000,
0.9200

218.3283, 0.2999,

 0.0000, 0.0000,

0.3498

0.0000

264.8094, 0.3007,
0.3484

■ 33.4025, 0.2883,
0.3688

■ 33.4025, 0.2883,
0.3688

■ 32.1142, 0.2813,
0.3847

■ 34.9173, 0.2961,
0.3542

■ 31.0368, 0.2753,
0.4018

■ 36.6650, 0.3043,
0.3409

■ 30.1596, 0.2708,
0.4198

■ 38.6568, 0.3128,
0.3289

■ 29.4686, 0.2679,
0.4383

■ 40.9019, 0.3213,
0.3183

■ 28.9485, 0.2668,
0.4569

■ 43.4091, 0.3297,
0.3089

■ 28.5811, 0.2678,
0.4751

■ 46.1868, 0.3379,
0.3007

■ 28.3263, 0.2702,
0.4926

■ 49.2428, 0.3458,
0.2934

■ 28.3250, 0.2702,
0.4927

■ 52.5849, 0.3534,
0.2871

■ 53.8132, 0.3501,
0.2797

Harmonies

Analogous

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



33.4025, 0.3236, 0.3901



33.4025, 0.2883, 0.3688



33.4025, 0.2606, 0.3353

Triad

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



33.4025, 0.2883, 0.3688



33.4025, 0.2677, 0.2703



33.4025, 0.3835, 0.3492

Complementary

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



33.4025, 0.2883, 0.3688



22.8596, 0.3469, 0.2925

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.



33.4025, 0.3669, 0.3197



33.4025, 0.2883, 0.3688



33.4025, 0.2986, 0.2758

Square

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



33.4025, 0.2883, 0.3688



33.4025, 0.2493, 0.2791



33.4025, 0.3352, 0.2935



33.4025, 0.3796, 0.3758

Rectangle

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



33.4025, 0.2883, 0.3688



33.4025, 0.2496, 0.3124



33.4025, 0.3352, 0.2935



33.4025, 0.3801, 0.3394

Sweetspot

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



33.4039, 0.2883, 0.3688



65.9239, 0.3050, 0.3399



34.6008, 0.3312, 0.4087



14.6470, 0.3038, 0.3417



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.



33.4039, 0.2883, 0.3688



58.2285, 0.2835, 0.3794



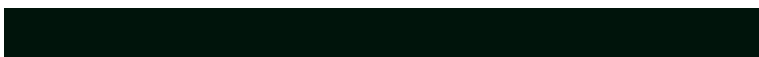
33.9065, 0.2703, 0.3275



8.4705, 0.3048, 0.3400



21.6830, 0.2697, 0.4911



0.5378, 0.2533, 0.4319

Inverse Universe

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



22.8596, 0.3469, 0.2925



36.2392, 0.3573, 0.2840



22.4158, 0.3775, 0.3305



7.6000, 0.3214, 0.3182



6.7414, 0.5006, 0.2531



0.1744, 0.4267, 0.2124

Previews

White Background



This preview shows how the Yxy color 33.4025, 0.2883, 0.3688 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 33.4025, 0.2883, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

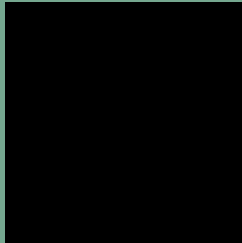
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4025, 0.2883, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 33.4025, 0.2883, 0.3688.

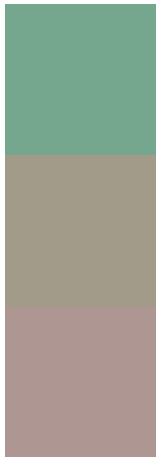


This preview shows how white text looks on a background with the Yxy color 33.4025, 0.2883, 0.3688.

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

33.4025, 0.2883, 0.3688

Protanopia

33.0354, 0.3378, 0.3561

Deuteranopia

32.8867, 0.3416, 0.3349



Tritanopia

33.2209, 0.2692, 0.3086

Trichromacy



Original Color

33.4025, 0.2883, 0.3688

Protanomaly

32.7713, 0.3180, 0.3605

Deuteranomaly

32.5936, 0.3198, 0.3459

Tritanomaly

33.2602, 0.2760, 0.3305

Monochromacy



Original Color

33.4025, 0.2883, 0.3688

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.2019, 0.3024, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4025, 0.2883, 0.3688 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, 167, 143)` looks like.

```
.text, #text, p{  
    color:rgb(117, 167, 143)  
}
```

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, 167, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 167, 143) }
```

Border

The CSS property to change the border of an element to Yxy 33.4025, 0.2883, 0.3688 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, 167, 143) }
```

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

```
.border{ border-color:rgb(117, 167, 143) }
```

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

Here you see how a box with a 4 pixel rgb(117, 167, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 167, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 167, 143);  
box-shadow:4px 4px 4px 4px rgb(117, 167,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4025, 0.2883, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 167, 143) }
```

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

```
.background{ background-color: rgb(117,  
167, 143) }
```

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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