

Converting Colors

$Yxy(30.9847, 0.2668, 0.3586)$

Have a look what the booklet for
Yxy(30.9847, 0.2668, 0.3586)
contains.

Yxy(30.9847, 0.2668, 0.3586)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9847, 0.2668, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	5DA493
RGB	93, 164, 147
RGB Percent	36%, 64%, 58%
CMY	0.6354, 0.3568, 0.4235
CMYK	0.43, 0.00, 0.10, 0.36
HSL	166°, 28%, 50%
HSV	166°, 43%, 64%
XYZ	23.0528, 30.9847, 32.3672
YIQ	140.8330, -36.8590, -20.3390

Conversions

Conversions Part 2

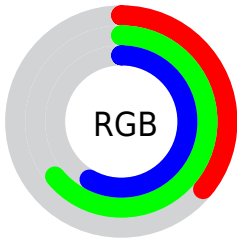
Format	Color
RYB	93, 133, 164
Decimal	6136979
CIELab	62.49, -26.52, 1.86
CIElCh	62, 26.588, 175.995
Yxy	30.9847, 0.2668, 0.3586
Android (android.graphics.Color)	4284327059 (0xFF5DA493)
YUV	140.8330, 3.0403, -41.9495
Hunter-Lab	55.6639, -23.4875, 4.4891

Details

The Yxy color **30.9847, 0.2668, 0.3586** is a dark color, and the websafe version is hex **339999**, and the color name is **polished pine**. A complement of this color would be **16.8408, 0.3955, 0.3023**, and the grayscale version is **26.5629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0831, 0.2761, 0.3520**, and **12.8827, 0.2511, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **30.0991, 0.2591, 0.3668**, and if you desaturate by 10%, it is **32.0605, 0.2759, 0.3509**.

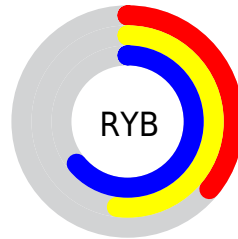
Distribution



Red (36%)

Green (64%)

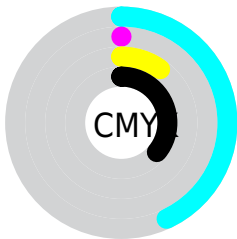
Blue (58%)



Red (36%)

Yellow (52%)

Blue (64%)

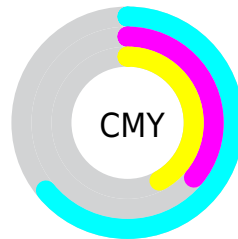


Cyan (43%)

Magenta (0%)

Yellow (10%)

Black (36%)



Cyan (64%)

Magenta (36%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9847, 0.2668, 0.3586 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 30.9847, 0.2668, 0.3586 by changing the saturation by 10% instead.


 30.9847, 0.2668,
0.3586


 30.9847, 0.2668,
0.3586


306.4678, 0.2913,
0.3427


 20.5872, 0.2601,
0.3630


 61.2160, 0.2761,
0.3525


 12.8226, 0.2512,
0.3689


 81.8186, 0.2795,
0.3503

 7.3065, 0.2387,
0.3773


 106.5916, 0.2823,
0.3485

 3.6545, 0.2199,
0.3901

 135.9195, 0.2846,
0.3470

 1.4822, 0.1860,
0.4132

170.1867, 0.2867,
0.3457

 0.2762, 0.0000,
0.6178

209.7776, 0.2884,

 0.0000, 0.0000,

0.3445

0.0000

255.0765, 0.2900,
0.3435

■ 30.9847, 0.2668,
0.3586

■ 30.9847, 0.2668,
0.3586

■ 30.0991, 0.2591,
0.3668

■ 32.0605, 0.2759,
0.3509

■ 29.3882, 0.2531,
0.3752

■ 33.3335, 0.2861,
0.3436

■ 28.8398, 0.2489,
0.3839


■ 34.8152, 0.2971,
0.3370


■ 28.4387, 0.2466,
0.3927

■ 36.5147, 0.3088,
0.3309


■ 28.1668, 0.2461,
0.4014

■ 38.4409, 0.3207,
0.3254

 28.0282, 0.2465,
0.4073

 40.6020, 0.3328,
0.3205

 43.0058, 0.3448,
0.3161

 45.6598, 0.3567,
0.3123

 48.5712, 0.3682,
0.3089

Harmonies

Analogous

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



30.9847, 0.3052, 0.3930



30.9847, 0.2668, 0.3586



30.9847, 0.2416, 0.3167

Triad

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



30.9847, 0.2668, 0.3586



30.9847, 0.2750, 0.2614



30.9847, 0.3975, 0.3676

Complementary

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



30.9847, 0.2668, 0.3586



16.8408, 0.3955, 0.3023

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.



30.9847, 0.3891, 0.3336



30.9847, 0.2668, 0.3586



30.9847, 0.3158, 0.2749

Square

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



30.9847, 0.2668, 0.3586



30.9847, 0.2462, 0.2633



30.9847, 0.3584, 0.3006



30.9847, 0.3816, 0.3949

Rectangle

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



30.9847, 0.2668, 0.3586



30.9847, 0.2347, 0.2922



30.9847, 0.3584, 0.3006



30.9847, 0.3975, 0.3566

Sweetspot

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



30.9859, 0.2668, 0.3586



63.2090, 0.2972, 0.3369



30.7056, 0.3221, 0.4542



13.6873, 0.2948, 0.3383



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.9859, 0.2668, 0.3586



54.6776, 0.2594, 0.3665



25.6400, 0.2500, 0.2978



7.9821, 0.3018, 0.3344



21.4956, 0.2462, 0.4064



0.4583, 0.2375, 0.3750

Inverse Universe

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



16.8408, 0.3955, 0.3023



25.5882, 0.4250, 0.2970



19.9918, 0.4102, 0.3575



7.1125, 0.3249, 0.3236



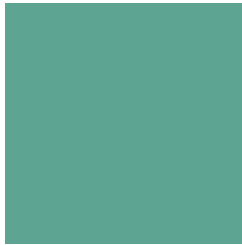
6.1718, 0.5918, 0.3034



0.1365, 0.4988, 0.2521

Previews

White Background



This preview shows how the Yxy color 30.9847, 0.2668, 0.3586 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 30.9847, 0.2668, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

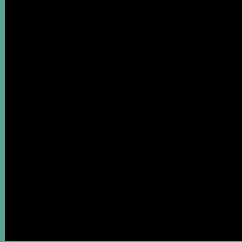
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9847, 0.2668, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 30.9847, 0.2668, 0.3586.

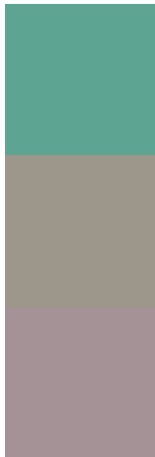


This preview shows how white text looks on a background with the Yxy color 30.9847, 0.2668, 0.3586.

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

30.9847, 0.2668, 0.3586

Protanopia

30.7447, 0.3295, 0.3461

Deuteranopia

30.6846, 0.3267, 0.3216



Tritanopia

30.8681, 0.2527, 0.3075

Trichromacy



Original Color

30.9847, 0.2668, 0.3586

Protanomaly

30.3822, 0.3030, 0.3503

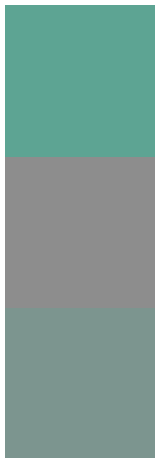
Deuteranomaly

30.3877, 0.3007, 0.3338

Tritanomaly

30.7115, 0.2570, 0.3238

Monochromacy



Original Color

30.9847, 0.2668, 0.3586

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.7631, 0.2934, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9847, 0.2668, 0.3586 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(93, 164, 147)` looks like.

```
.text, #text, p{  
    color:rgb(93, 164, 147)  
}
```

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(93, 164, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 164, 147) }
```

Border

The CSS property to change the border of an element to Yxy 30.9847, 0.2668, 0.3586 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(93, 164, 147) }
```

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

```
.border{ border-color:rgb(93, 164, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 164, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 164, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 164, 147);  
box-shadow:4px 4px 4px 4px rgb(93, 164,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9847, 0.2668, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 164, 147) }
```

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

```
.background{ background-color: rgb(93, 164,  
147) }
```

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