

Converting Colors

$Yxy(33.9188, 0.2979, 0.3557)$

Have a look what the booklet for
Yxy(33.9188, 0.2979, 0.3557)
contains.

Yxy(34.0349, 0.2979, 0.3560)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.0349, 0.2979, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	85A594
RGB	133, 165, 148
RGB Percent	52%, 65%, 58%
CMY	0.4782, 0.3530, 0.4196
CMYK	0.19, 0.00, 0.10, 0.35
HSL	148°, 15%, 58%
HSV	148°, 19%, 65%
XYZ	28.4803, 34.0349, 33.0884
YIQ	153.4940, -13.6150, -12.0710

Conversions

Conversions Part 2

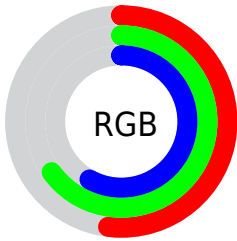
Format	Color
RYB	133, 155, 165
Decimal	8758676
CIELab	64.99, -14.51, 5.18
CIElCh	65, 15.407, 160.371
Yxy	34.0349, 0.2979, 0.3560
Android (android.graphics.Color)	4286948756 (0xFF85A594)
YUV	153.4940, -2.7085, -17.9732
Hunter-Lab	58.3394, -14.9533, 7.2101

Details

The Yxy color **34.0349, 0.2979, 0.3560** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.9923, 0.3308, 0.3035**, and the grayscale version is **32.1035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0155, 0.3012, 0.3504**, and **14.5123, 0.2934, 0.3661** is the 20% darker color. If you saturate the color by 10%, you get **32.5291, 0.2907, 0.3722**, and if you desaturate by 10%, it is **35.7756, 0.3055, 0.3413**.

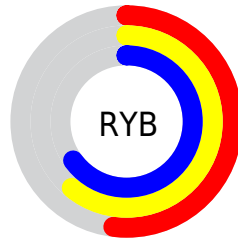
Distribution



Red (52%)

Green (65%)

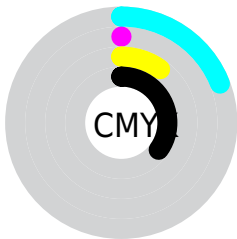
Blue (58%)



Red (52%)

Yellow (61%)

Blue (65%)

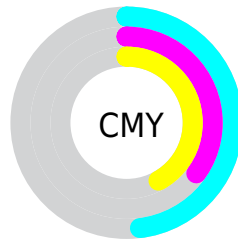


Cyan (19%)

Magenta (0%)

Yellow (10%)

Black (35%)



Cyan (48%)


Magenta (35%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0349, 0.2979, 0.3560 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 34.0349, 0.2979, 0.3560 by changing the saturation by 10% instead.


 34.0349, 0.2979,
0.3560


 34.0349, 0.2979,
0.3560


320.2876, 0.3058,
0.3415

 22.9204, 0.2957,
0.3600


 65.9879, 0.3009,
0.3505

 14.5348, 0.2928,
0.3653


 87.5953, 0.3020,
0.3485

 8.4935, 0.2887,
0.3729


 113.4690, 0.3029,
0.3468

 4.4123, 0.2825,
0.3844

143.9936, 0.3037,
0.3455

 1.9068, 0.2719,
0.4040

179.5533, 0.3043,
0.3443

 0.5525, 0.1774,
0.5737

220.5326, 0.3049,

 0.0000, 0.0000,

0.3432

0.0000

267.3159, 0.3054,
0.3423

■ 34.0349, 0.2979,
0.3560

■ 34.0349, 0.2979,
0.3560

■ 32.5291, 0.2907,
0.3722

■ 35.7756, 0.3055,
0.3413

■ 31.2435, 0.2842,
0.3899

■ 37.7566, 0.3132,
0.3282

■ 30.1687, 0.2787,
0.4089

■ 39.9883, 0.3210,
0.3165

■ 29.2925, 0.2745,
0.4289

■ 42.4794, 0.3286,
0.3062

■ 28.6015, 0.2719,
0.4494

■ 45.2379, 0.3360,
0.2972

■ 28.0808, 0.2710,
0.4699

■ 48.2718, 0.3431,
0.2893

■ 27.7126, 0.2722,
0.4898

■ 51.5885, 0.3499,
0.2824

■ 27.4610, 0.2748,
0.5086

■ 53.2391, 0.3476,
0.2747

■ 27.4461, 0.2750,
0.5098

■ 53.7113, 0.3399,
0.2663

Harmonies

Analogous

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



34.0349, 0.3217, 0.3693



34.0349, 0.2979, 0.3560



34.0349, 0.2785, 0.3348

Triad

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



34.0349, 0.2979, 0.3560



34.0349, 0.2816, 0.2893



34.0349, 0.3593, 0.3423

Complementary

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



34.0349, 0.2979, 0.3560



26.9923, 0.3308, 0.3035

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.



34.0349, 0.3477, 0.3221



34.0349, 0.2979, 0.3560



34.0349, 0.3023, 0.2923

Square

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



34.0349, 0.2979, 0.3560



34.0349, 0.2694, 0.2964



34.0349, 0.3266, 0.3041



34.0349, 0.3577, 0.3601

Rectangle

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



34.0349, 0.2979, 0.3560



34.0349, 0.2705, 0.3198



34.0349, 0.3266, 0.3041



34.0349, 0.3568, 0.3356

Sweetspot

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



34.0363, 0.2979, 0.3560



65.1831, 0.3080, 0.3369



35.0942, 0.3265, 0.3783



14.2045, 0.3075, 0.3377



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.



34.0363, 0.2979, 0.3560



59.8176, 0.2949, 0.3624



34.5756, 0.2852, 0.3306



7.9477, 0.3055, 0.3412



20.7760, 0.2745, 0.5080



0.4461, 0.2550, 0.4381

Inverse Universe

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



26.9923, 0.3308, 0.3035



44.9802, 0.3354, 0.2979



26.5137, 0.3486, 0.3275



7.1460, 0.3206, 0.3171



6.5916, 0.4788, 0.2411



0.1480, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 34.0349, 0.2979, 0.3560 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 34.0349, 0.2979, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

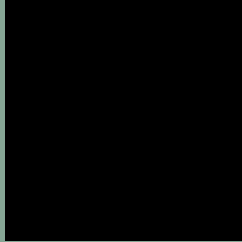
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0349, 0.2979, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 34.0349, 0.2979, 0.3560.

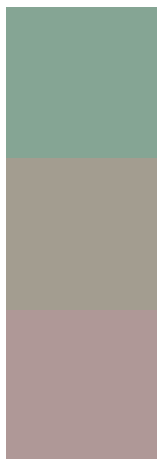


This preview shows how white text looks on a background with the Yxy color 34.0349, 0.2979, 0.3560.

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

34.0349, 0.2979, 0.3560

Protanopia

33.9141, 0.3307, 0.3484

Deuteranopia

33.8048, 0.3372, 0.3305



Tritanopia

33.9490, 0.2811, 0.3092

Trichromacy



Original Color

34.0349, 0.2979, 0.3560

Protanomaly

33.8613, 0.3184, 0.3520

Deuteranomaly

33.7895, 0.3221, 0.3395

Tritanomaly

33.7915, 0.2866, 0.3243

Monochromacy



Original Color

34.0349, 0.2979, 0.3560

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.8317, 0.3065, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0349, 0.2979, 0.3560 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(133, 165, 148)` looks like.

```
.text, #text, p{  
    color:rgb(133, 165, 148)  
}
```

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(133, 165, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 165, 148) }
```

Border

The CSS property to change the border of an element to Yxy 34.0349, 0.2979, 0.3560 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(133, 165, 148) }
```

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

```
.border{ border-color:rgb(133, 165, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 165, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 165, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 165, 148);  
box-shadow:4px 4px 4px 4px rgb(133, 165,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0349, 0.2979, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 165, 148) }
```

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

```
.background{ background-color: rgb(133,  
165, 148) }
```

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