

Converting Colors

$Y_{xy}(35.1873, 0.2852, 0.3351)$

Have a look what the booklet for
Yxy(35.1873, 0.2852, 0.3351)
contains.

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Color

Yxy(35.1873, 0.2852, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	84A7A3
RGB	132, 167, 163
RGB Percent	52%, 65%, 64%
CMY	0.4823, 0.3451, 0.3607
CMYK	0.21, 0.00, 0.02, 0.35
HSL	173°, 17%, 59%
HSV	173°, 21%, 65%
XYZ	29.9475, 35.1873, 39.8705
YIQ	156.0790, -19.5760, -8.6640

Conversions

Conversions Part 2

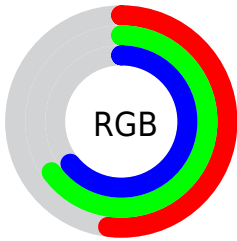
Format	Color
RYB	132, 151, 167
Decimal	8693667
CIELab	65.89, -12.76, -1.89
CIElCh	66, 12.897, 188.418
Yxy	35.1873, 0.2852, 0.3351
Android (android.graphics.Color)	4286883747 (0xFF84A7A3)
YUV	156.0790, 3.4121, -21.1173
Hunter-Lab	59.3189, -13.6911, 1.6721

Details

The Yxy color **35.1873, 0.2852, 0.3351** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.4987, 0.3491, 0.3230**, and the grayscale version is **33.2758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7436, 0.2907, 0.3336**, and **15.2030, 0.2773, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **33.8806, 0.2734, 0.3384**, and if you desaturate by 10%, it is **36.7134, 0.2980, 0.3321**.

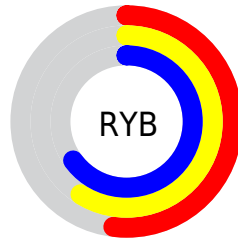
Distribution



Red (52%)

Green (65%)

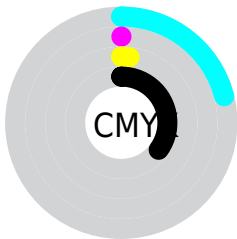
Blue (64%)



Red (52%)

Yellow (59%)

Blue (65%)

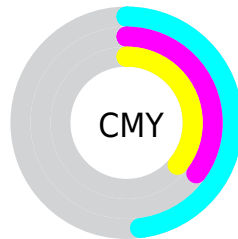


Cyan (21%)

Magenta (0%)

Yellow (2%)

Black (35%)



Cyan (48%)


Magenta (35%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1873, 0.2852, 0.3351 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 35.1873, 0.2852, 0.3351 by changing the saturation by 10% instead.


 35.1873, 0.2852,
0.3351


 35.1873, 0.2852,
0.3351


325.3943, 0.2995,
0.3320


 23.8072, 0.2814,
0.3359


 67.7758, 0.2906,
0.3340

 15.1907, 0.2764,
0.3369


 89.7530, 0.2925,
0.3335

 8.9533, 0.2696,
0.3383


 116.0314, 0.2942,
0.3332

 4.7107, 0.2595,
0.3402

146.9953, 0.2956,
0.3329

 2.0786, 0.2435,
0.3431

183.0291, 0.2968,
0.3326

 0.6525, 0.1712,
0.3618

224.5173, 0.2978,

 0.0000, 0.0000,

0.3324

0.0000

271.8442, 0.2987,
0.3322

■ 35.1873, 0.2852,
0.3351

■ 35.1873, 0.2852,
0.3351

■ 33.8806, 0.2734,
0.3384

■ 36.7134, 0.2980,
0.3321

■ 32.7788, 0.2628,
0.3419

■ 38.4643, 0.3114,
0.3293

■ 31.8722, 0.2537,
0.3456

■ 40.4502, 0.3253,
0.3267

■ 31.1487, 0.2463,
0.3494

■ 42.6796, 0.3393,
0.3245

■ 30.5949, 0.2408,
0.3532

■ 45.1608, 0.3534,
0.3225

■ 30.1955, 0.2371,
0.3571

■ 47.9012, 0.3672,
0.3207

■ 29.9323, 0.2352,
0.3610

■ 50.9084, 0.3807,
0.3192

■ 29.7749, 0.2346,
0.3645

■ 52.1209, 0.3844,
0.3174

■ 52.1979, 0.3825,
0.3154

Harmonies

Analogous

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



35.1873, 0.3018, 0.3522



35.1873, 0.2852, 0.3351



35.1873, 0.2760, 0.3168

Triad

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



35.1873, 0.2852, 0.3351



35.1873, 0.3029, 0.2979



35.1873, 0.3504, 0.3542

Complementary

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



35.1873, 0.2852, 0.3351



26.4987, 0.3491, 0.3230

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.



35.1873, 0.3509, 0.3392



35.1873, 0.2852, 0.3351



35.1873, 0.3230, 0.3074

Square

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



35.1873, 0.2852, 0.3351



35.1873, 0.2860, 0.2961



35.1873, 0.3407, 0.3223



35.1873, 0.3395, 0.3630

Rectangle

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



35.1873, 0.2852, 0.3351



35.1873, 0.2751, 0.3067



35.1873, 0.3407, 0.3223



35.1873, 0.3518, 0.3497

Sweetspot

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



35.1887, 0.2852, 0.3351



67.2184, 0.3044, 0.3307



34.5457, 0.3138, 0.3851



14.9991, 0.3036, 0.3308



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.



35.1887, 0.2852, 0.3351



61.9194, 0.2798, 0.3366



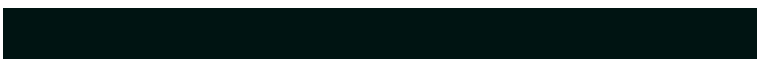
30.6719, 0.2808, 0.3078



8.5171, 0.3002, 0.3316



22.7887, 0.2345, 0.3641



0.5585, 0.2309, 0.3513

Inverse Universe

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



26.4987, 0.3491, 0.3230



43.6073, 0.3592, 0.3217



30.2624, 0.3497, 0.3493



7.5557, 0.3268, 0.3265



6.3266, 0.6235, 0.3208



0.1580, 0.5643, 0.2882

Previews

White Background



This preview shows how the Yxy color 35.1873, 0.2852, 0.3351 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 35.1873, 0.2852, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

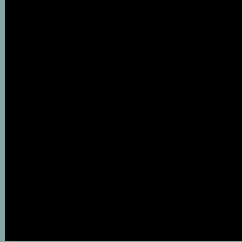
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

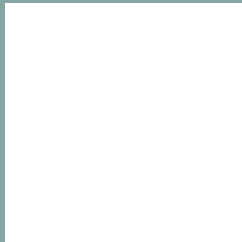
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1873, 0.2852, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 35.1873, 0.2852, 0.3351.

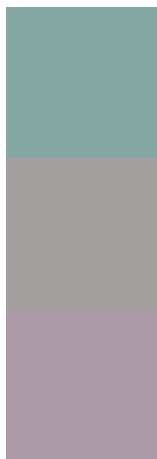


This preview shows how white text looks on a background with the Yxy color 35.1873, 0.2852, 0.3351.

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

35.1873, 0.2852, 0.3351

Protanopia

35.0514, 0.3175, 0.3305

Deuteranopia

34.9665, 0.3193, 0.3135



Tritanopia

35.2755, 0.2761, 0.3094

Trichromacy



Original Color

35.1873, 0.2852, 0.3351

Protanomaly

35.0541, 0.3051, 0.3320

Deuteranomaly

34.6810, 0.3055, 0.3202

Tritanomaly

35.3579, 0.2791, 0.3183

Monochromacy



Original Color

35.1873, 0.2852, 0.3351

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.8479, 0.3013, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1873, 0.2852, 0.3351 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(132, 167, 163)` looks like.

```
.text, #text, p{  
    color:rgb(132, 167, 163)  
}
```

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(132, 167, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 167, 163) }
```

Border

The CSS property to change the border of an element to Yxy 35.1873, 0.2852, 0.3351 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(132, 167, 163) }
```

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

```
.border{ border-color:rgb(132, 167, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 167, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 167, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 167, 163);  
box-shadow:4px 4px 4px 4px rgb(132, 167,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1873, 0.2852, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 167, 163) }
```

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

```
.background{ background-color: rgb(132,  
167, 163) }
```

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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