

Converting Colors

$Y_{xy}(35.6730, 0.2836, 0.3352)$

Have a look what the booklet for
Yxy(35.6730, 0.2836, 0.3352)
contains.

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Color

Yxy(35.5109, 0.2837, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	83A8A4
RGB	131, 168, 164
RGB Percent	51%, 66%, 64%
CMY	0.4863, 0.3412, 0.3568
CMYK	0.22, 0.00, 0.02, 0.34
HSL	174°, 18%, 59%
HSV	174°, 22%, 66%
XYZ	30.0640, 35.5109, 40.3962
YIQ	156.4810, -20.7680, -9.0880

Conversions

Conversions Part 2

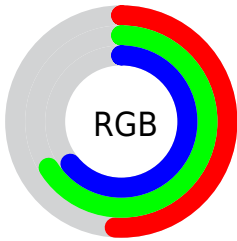
Format	Color
RYB	131, 151, 168
Decimal	8628388
CIELab	66.14, -13.40, -2.08
CIELCh	66, 13.558, 188.836
Yxy	35.5109, 0.2837, 0.3351
Android (android.graphics.Color)	4286818468 (0xFF83A8A4)
YUV	156.4810, 3.7069, -22.3468
Hunter-Lab	59.5910, -14.2301, 1.5216

Details

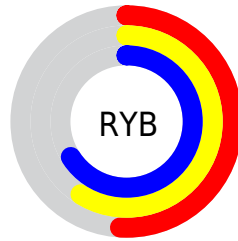
The Yxy color **35.5109, 0.2837, 0.3351** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.3067, 0.3517, 0.3231**, and the grayscale version is **33.4628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2041, 0.2895, 0.3336**, and **15.3661, 0.2744, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **34.2128, 0.2720, 0.3382**, and if you desaturate by 10%, it is **37.0303, 0.2965, 0.3322**.

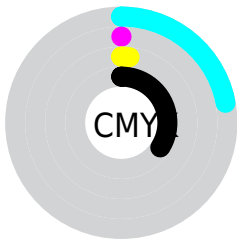
Distribution



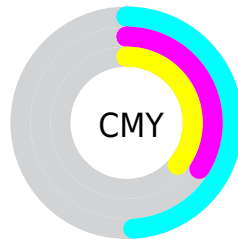
- Red (51%)
- Green (66%)
- Blue (64%)



- Red (51%)
- Yellow (59%)
- Blue (66%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (34%)





- Cyan (49%)
- Magenta (34%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5109, 0.2837, 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 35.5109, 0.2837, 0.3351 by changing the saturation by 10% instead.


 35.5109, 0.2837,
0.3351


 35.5109, 0.2837,
0.3351


326.8177, 0.2988,
0.3320


 24.0567, 0.2797,
0.3359


 68.2765, 0.2893,
0.3340

 15.3757, 0.2745,
0.3369


 90.3566, 0.2914,
0.3336

 9.0835, 0.2673,
0.3382


 116.7476, 0.2931,
0.3332

 4.7957, 0.2569,
0.3401

147.8337, 0.2946,
0.3329

 2.1279, 0.2402,
0.3428

183.9994, 0.2959,
0.3326

 0.6802, 0.1694,
0.3607

225.6290, 0.2970,

 0.0000, 0.0000,

0.3324

0.0000

273.1070, 0.2979,
0.3322

■ 35.5109, 0.2837,
0.3351

■ 35.5109, 0.2837,
0.3351

■ 34.2128, 0.2720,
0.3382

■ 37.0303, 0.2965,
0.3322

■ 33.1213, 0.2615,
0.3416

■ 38.7765, 0.3099,
0.3295

■ 32.2264, 0.2525,
0.3451

■ 40.7601, 0.3239,
0.3271

■ 31.5157, 0.2453,
0.3487

■ 42.9897, 0.3380,
0.3249

■ 30.9755, 0.2399,
0.3523

■ 45.4736, 0.3521,
0.3230

■ 30.5897, 0.2363,
0.3560

■ 48.2196, 0.3661,
0.3213

■ 30.3398, 0.2346,
0.3597

■ 51.2353, 0.3798,
0.3198

■ 30.2044, 0.2341,
0.3626

■ 52.5013, 0.3838,
0.3182

■ 52.5749, 0.3821,
0.3163

Harmonies

Analogous

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



35.5109, 0.3009, 0.3531



35.5109, 0.2837, 0.3351



35.5109, 0.2742, 0.3160

Triad

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



35.5109, 0.2837, 0.3351



35.5109, 0.3027, 0.2966



35.5109, 0.3521, 0.3555

Complementary

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



35.5109, 0.2837, 0.3351



26.3067, 0.3517, 0.3231

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.



35.5109, 0.3528, 0.3399



35.5109, 0.2837, 0.3351



35.5109, 0.3238, 0.3066

Square

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



35.5109, 0.2837, 0.3351



35.5109, 0.2849, 0.2945



35.5109, 0.3423, 0.3222



35.5109, 0.3406, 0.3647

Rectangle

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



35.5109, 0.2837, 0.3351



35.5109, 0.2734, 0.3054



35.5109, 0.3423, 0.3222



35.5109, 0.3536, 0.3508

Sweetspot

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



35.5124, 0.2837, 0.3351



68.6932, 0.3030, 0.3308



34.8223, 0.3138, 0.3883



14.9339, 0.3022, 0.3310



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.



35.5124, 0.2837, 0.3351



63.3423, 0.2783, 0.3365



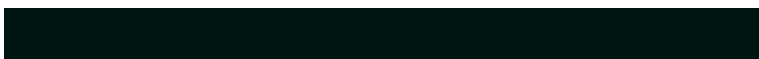
30.7038, 0.2791, 0.3066



8.5179, 0.3001, 0.3314



22.8128, 0.2340, 0.3622



0.5589, 0.2306, 0.3501

Inverse Universe

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



26.3067, 0.3517, 0.3231



43.8901, 0.3620, 0.3218



30.2710, 0.3519, 0.3504



7.5550, 0.3269, 0.3266



6.3239, 0.6246, 0.3214



0.1578, 0.5677, 0.2901

Previews

White Background



This preview shows how the Yxy color 35.5109, 0.2837, 0.3351 looks on a white background.

Color Contrast Check

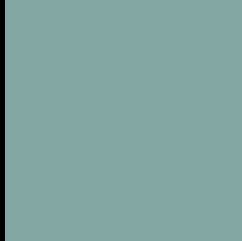
Large Text (above 18pt) WCAG AA × Fail

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 35.5109, 0.2837, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

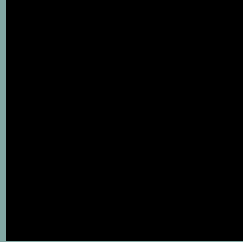
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

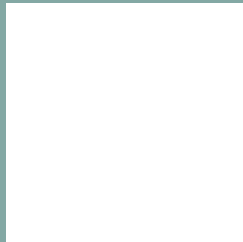
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5109, 0.2837, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 35.5109, 0.2837, 0.3351.

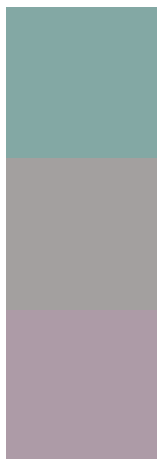


This preview shows how white text looks on a background with the Yxy color 35.5109, 0.2837, 0.3351.

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

35.5109, 0.2837, 0.3351

Protanopia

35.4313, 0.3165, 0.3305

Deuteranopia

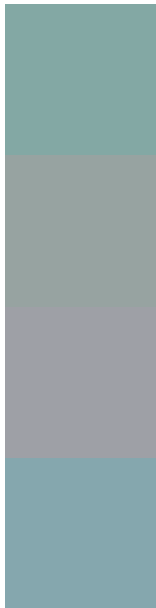
35.1169, 0.3194, 0.3122



Tritanopia

35.5954, 0.2747, 0.3094

Trichromacy



Original Color

35.5109, 0.2837, 0.3351

Protanomaly

35.3469, 0.3033, 0.3320

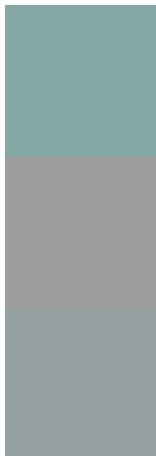
Deuteranomaly

35.1639, 0.3056, 0.3202

Tritanomaly

35.6800, 0.2777, 0.3183

Monochromacy



Original Color

35.5109, 0.2837, 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 35.5109, 0.2837, 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(131, 168, 164)` looks like.

```
.text, #text, p{  
    color:rgb(131, 168, 164)  
}
```

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(131, 168, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 168, 164) }
```

Border

The CSS property to change the border of an element to Yxy 35.5109, 0.2837, 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(131, 168, 164) }
```

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

```
.border{ border-color:rgb(131, 168, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 168, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 168, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 168, 164);  
box-shadow:4px 4px 4px 4px rgb(131, 168,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5109, 0.2837, 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(131, 168, 164) }
```

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

```
.background{ background-color: rgb(131,  
168, 164) }
```

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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