

Converting Colors

$Y_{xy}(36.8930, 0.2854, 0.3314)$

Have a look what the booklet for
Yxy(36.8930, 0.2854, 0.3314)
contains.

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Color

Yxy(36.8950, 0.2857, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	89AAA8
RGB	137, 170, 168
RGB Percent	54%, 67%, 66%
CMY	0.4628, 0.3333, 0.3410
CMYK	0.19, 0.00, 0.01, 0.33
HSL	176°, 16%, 60%
HSV	176°, 19%, 67%
XYZ	31.7593, 36.8950, 42.5087
YIQ	159.9050, -19.0260, -7.6180

Conversions

Conversions Part 2

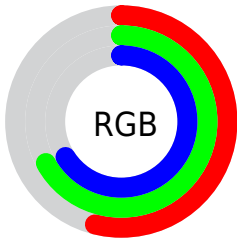
Format	Color
RYB	137, 154, 170
Decimal	9022120
CIELab	67.20, -11.65, -2.73
CIElCh	67, 11.967, 193.180
Yxy	36.8950, 0.2857, 0.3319
Android (android.graphics.Color)	4287212200 (0xFF89AAA8)
YUV	159.9050, 3.9908, -20.0877
Hunter-Lab	60.7413, -12.9664, 1.0258

Details

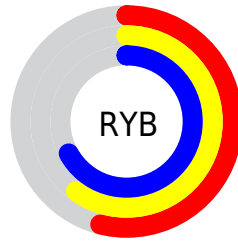
The Yxy color **36.8950, 0.2857, 0.3319** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.2959, 0.3479, 0.3262**, and the grayscale version is **35.0958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2545, 0.2910, 0.3312**, and **16.1963, 0.2771, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **35.5337, 0.2731, 0.3336**, and if you desaturate by 10%, it is **38.4860, 0.2993, 0.3303**.

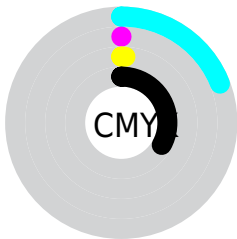
Distribution



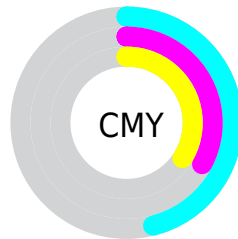
- Red (54%)
- Green (67%)
- Blue (66%)



- Red (54%)
- Yellow (60%)
- Blue (67%)



- Cyan (19%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)




- Cyan (46%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8950, 0.2857, 0.3319 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 36.8950, 0.2857, 0.3319 by changing the saturation by 10% instead.


 36.8950, 0.2857,
0.3319


 36.8950, 0.2857,
0.3319


332.8557, 0.2997,
0.3305


 25.1262, 0.2821,
0.3322

 70.4113, 0.2909,
0.3314

 16.1711, 0.2773,
0.3326


 92.9275, 0.2928,
0.3312

 9.6453, 0.2708,
0.3331


 119.7951, 0.2944,
0.3311

 5.1644, 0.2613,
0.3338

151.3983, 0.2958,
0.3309

 2.3441, 0.2465,
0.3346

188.1215, 0.2969,
0.3308

 0.7969, 0.2029,
0.3418

230.3493, 0.2980,

 0.0000, 0.0000,

0.3307

0.0000

278.4659, 0.2989,
0.3306

■ 36.8950, 0.2857,
0.3319

■ 36.8950, 0.2857,
0.3319

■ 35.5337, 0.2731,
0.3336

■ 38.4860, 0.2993,
0.3303

■ 34.3870, 0.2619,
0.3354

■ 40.3120, 0.3136,
0.3289

■ 33.4449, 0.2521,
0.3372

■ 42.3839, 0.3283,
0.3276

■ 32.6950, 0.2441,
0.3392

■ 44.7104, 0.3432,
0.3265

■ 32.1235, 0.2378,
0.3411

■ 47.2999, 0.3582,
0.3255

■ 31.7147, 0.2335,
0.3431

■ 50.1603, 0.3729,
0.3246

■ 31.4502, 0.2310,
0.3451

■ 53.1118, 0.3863,
0.3238

■ 31.2925, 0.2298,
0.3470

■ 53.1519, 0.3854,
0.3227

■ 31.2841, 0.2298,
0.3471

■ 53.1923, 0.3844,
0.3217

Harmonies

Analogous

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



36.8950, 0.3000, 0.3479



36.8950, 0.2857, 0.3319



36.8950, 0.2786, 0.3156

Triad

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



36.8950, 0.2857, 0.3319



36.8950, 0.3066, 0.3015



36.8950, 0.3461, 0.3538

Complementary

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



36.8950, 0.2857, 0.3319



28.2959, 0.3479, 0.3262

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.



36.8950, 0.3481, 0.3408



36.8950, 0.2857, 0.3319



36.8950, 0.3250, 0.3111

Square

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



36.8950, 0.2857, 0.3319



36.8950, 0.2904, 0.2986



36.8950, 0.3403, 0.3253



36.8950, 0.3349, 0.3606

Rectangle

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



36.8950, 0.2857, 0.3319



36.8950, 0.2787, 0.3069



36.8950, 0.3403, 0.3253



36.8950, 0.3479, 0.3500

Sweetspot

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



36.8965, 0.2857, 0.3319



70.8745, 0.3039, 0.3299



36.0617, 0.3123, 0.3808



15.7602, 0.3030, 0.3300



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.8965, 0.2857, 0.3319



65.9052, 0.2805, 0.3326



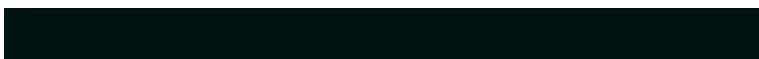
31.8943, 0.2829, 0.3069



8.5242, 0.2995, 0.3303



23.0145, 0.2297, 0.3469



0.5622, 0.2279, 0.3404

Inverse Universe

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



28.2959, 0.3479, 0.3262



47.6165, 0.3571, 0.3255



32.5798, 0.3462, 0.3502



7.5493, 0.3277, 0.3277



6.3059, 0.6319, 0.3255



0.1556, 0.5972, 0.3063

Previews

White Background



This preview shows how the Yxy color 36.8950, 0.2857, 0.3319 looks on a white background.

Color Contrast Check

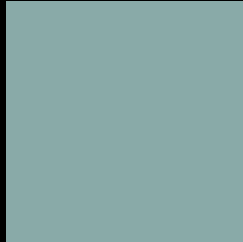
Large Text (above 18pt) WCAG AA × Fail

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 36.8950, 0.2857, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

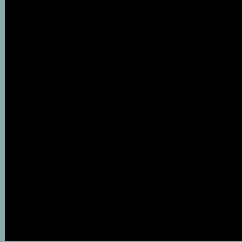
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

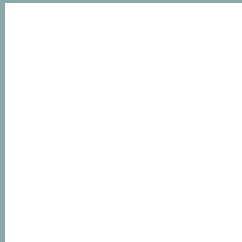
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8950, 0.2857, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 36.8950, 0.2857, 0.3319.

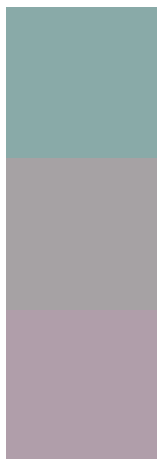


This preview shows how white text looks on a background with the Yxy color 36.8950, 0.2857, 0.3319.

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

36.8950, 0.2857, 0.3319

Protanopia

36.6280, 0.3147, 0.3262

Deuteranopia

36.5861, 0.3193, 0.3124



Tritanopia

36.9169, 0.2782, 0.3098

Trichromacy



Original Color

36.8950, 0.2857, 0.3319

Protanomaly

36.5954, 0.3035, 0.3290

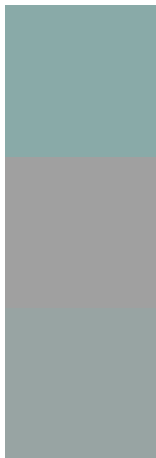
Deuteranomaly

36.3866, 0.3066, 0.3189

Tritanomaly

36.9995, 0.2813, 0.3185

Monochromacy



Original Color

36.8950, 0.2857, 0.3319

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.8707, 0.3025, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8950, 0.2857, 0.3319 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(137, 170, 168)` looks like.

```
.text, #text, p{  
    color:rgb(137, 170, 168)  
}
```

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(137, 170, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 170, 168) }
```

Border

The CSS property to change the border of an element to Yxy 36.8950, 0.2857, 0.3319 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(137, 170, 168) }
```

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

```
.border{ border-color:rgb(137, 170, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 170, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 170, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 170, 168);  
box-shadow:4px 4px 4px 4px rgb(137, 170,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8950, 0.2857, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 170, 168) }
```

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

```
.background{ background-color: rgb(137,  
170, 168) }
```

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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