

Converting Colors

$Yxy(39.1484, 0.2893, 0.3561)$

Have a look what the booklet for
Yxy(39.1484, 0.2893, 0.3561)
contains.

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Color

Yxy(38.9689, 0.2890, 0.3549)

Conversions

Conversions Part 1

Format	Color
Hex	85B1A0
RGB	133, 177, 160
RGB Percent	52%, 69%, 63%
CMY	0.4786, 0.3058, 0.3726
CMYK	0.25, 0.00, 0.10, 0.31
HSL	157°, 22%, 61%
HSV	157°, 25%, 69%
XYZ	31.7329, 38.9689, 39.1007
YIQ	161.9060, -20.7670, -14.6150

Conversions

Conversions Part 2

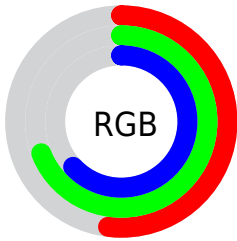
Format	Color
RYB	133, 160, 177
Decimal	8761760
CIELab	68.73, -18.35, 3.93
CIELCh	69, 18.760, 167.920
Yxy	38.9689, 0.2890, 0.3549
Android (android.graphics.Color)	4286951840 (0xFF85B1A0)
YUV	161.9060, -0.9397, -25.3506
Hunter-Lab	62.4251, -18.5059, 6.5606

Details

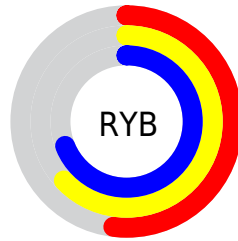
The Yxy color **38.9689, 0.2890, 0.3549** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.3110, 0.3445, 0.3046**, and the grayscale version is **36.0925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7489, 0.2935, 0.3497**, and **17.3133, 0.2810, 0.3617** is the 20% darker color. If you saturate the color by 10%, you get **37.4169, 0.2805, 0.3671**, and if you desaturate by 10%, it is **40.7800, 0.2982, 0.3437**.

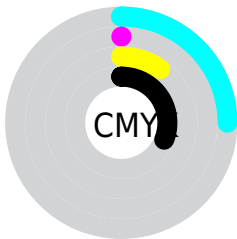
Distribution



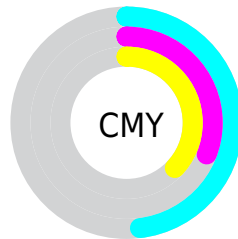
- Red (52%)
- Green (69%)
- Blue (63%)



- Red (52%)
- Yellow (63%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (10%)
- Black (31%)





- Cyan (48%)
- Magenta (31%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9689, 0.2890, 0.3549 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 38.9689, 0.2890, 0.3549 by changing the saturation by 10% instead.

 38.9689, 0.2890,
0.3549


 38.9689, 0.2890,
0.3549


341.7582, 0.3013,
0.3414


 26.7355, 0.2858,
0.3585


 73.5908, 0.2936,
0.3498

 17.3747, 0.2815,
0.3632


 96.7481, 0.2953,
0.3480

 10.5020, 0.2757,
0.3698


 124.3156, 0.2967,
0.3464

 5.7331, 0.2672,
0.3795

156.6775, 0.2979,
0.3451

 2.6834, 0.2537,
0.3952

194.2184, 0.2989,
0.3440

 0.9688, 0.2123,
0.4370

237.3225, 0.2998,

 0.0000, 0.0000,

0.3430

0.0000

286.3743, 0.3006,
0.3421

■ 38.9689, 0.2890,
0.3549

■ 38.9689, 0.2890,
0.3549

■ 37.4169, 0.2805,
0.3671

■ 40.7800, 0.2982,
0.3437

■ 36.1069, 0.2730,
0.3803

■ 42.8570, 0.3079,
0.3336

■ 35.0270, 0.2669,
0.3942

■ 45.2123, 0.3178,
0.3245

■ 34.1625, 0.2624,
0.4087

■ 47.8560, 0.3277,
0.3164

■ 33.4967, 0.2597,
0.4236

■ 50.7979, 0.3375,
0.3092

■ 33.0107, 0.2590,
0.4385

■ 54.0471, 0.3471,
0.3029

■ 32.6811, 0.2602,
0.4531

■ 57.2581, 0.3547,
0.2972

■ 32.5464, 0.2612,
0.4605

■ 57.6019, 0.3488,
0.2904

■ 57.9603, 0.3430,
0.2837

Harmonies

Analogous

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



38.9689, 0.3160, 0.3735



38.9689, 0.2890, 0.3549



38.9689, 0.2689, 0.3289

Triad

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



38.9689, 0.2890, 0.3549



38.9689, 0.2818, 0.2829



38.9689, 0.3681, 0.3499

Complementary

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



38.9689, 0.2890, 0.3549



28.3110, 0.3445, 0.3046

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.



38.9689, 0.3582, 0.3266



38.9689, 0.2890, 0.3549



38.9689, 0.3075, 0.2892

Square

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



38.9689, 0.2890, 0.3549



38.9689, 0.2650, 0.2879



38.9689, 0.3357, 0.3049



38.9689, 0.3622, 0.3691

Rectangle

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



38.9689, 0.2890, 0.3549



38.9689, 0.2618, 0.3118



38.9689, 0.3357, 0.3049



38.9689, 0.3665, 0.3423

Sweetspot

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



38.9705, 0.2890, 0.3549



75.8705, 0.3057, 0.3357



39.6813, 0.3250, 0.3951



16.3946, 0.3052, 0.3363



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.9705, 0.2890, 0.3549



68.1633, 0.2841, 0.3616



37.8947, 0.2762, 0.3223



9.5748, 0.3036, 0.3379



23.5885, 0.2608, 0.4589



0.7532, 0.2495, 0.4183

Inverse Universe

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



28.3110, 0.3445, 0.3046



45.7067, 0.3540, 0.2988



29.0333, 0.3625, 0.3356



8.5578, 0.3228, 0.3202



7.0893, 0.5398, 0.2747



0.2347, 0.4647, 0.2334

Previews

White Background



This preview shows how the Yxy color 38.9689, 0.2890, 0.3549 looks on a white background.

Color Contrast Check

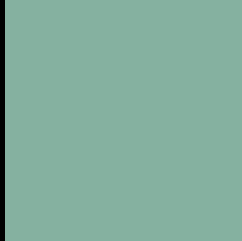
Large Text (above 18pt) WCAG AA × Fail

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 38.9689, 0.2890, 0.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

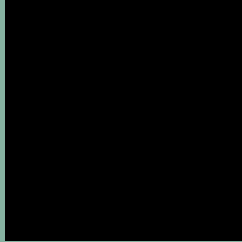
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9689, 0.2890, 0.3549

Background



This preview shows how black text looks on a background with the Yxy color 38.9689, 0.2890, 0.3549.

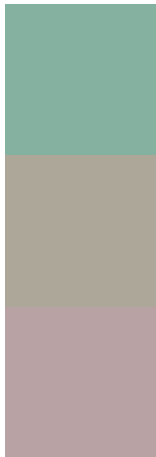


This preview shows how white text looks on a background with the Yxy color 38.9689, 0.2890, 0.3549.

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

38.9689, 0.2890, 0.3549

Protanopia

38.8548, 0.3297, 0.3473

Deuteranopia

38.7993, 0.3340, 0.3277



Tritanopia

38.8783, 0.2730, 0.3086

Trichromacy



Original Color

38.9689, 0.2890, 0.3549

Protanomaly

38.7952, 0.3135, 0.3509

Deuteranomaly

38.3531, 0.3161, 0.3361

Tritanomaly

38.6807, 0.2787, 0.3245

Monochromacy



Original Color

38.9689, 0.2890, 0.3549

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.7900, 0.3032, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9689, 0.2890, 0.3549 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, 177, 160)` looks like.

```
.text, #text, p{  
    color:rgb(133, 177, 160)  
}
```

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, 177, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 177, 160) }
```

Border

The CSS property to change the border of an element to Yxy 38.9689, 0.2890, 0.3549 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, 177, 160) }
```

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

```
.border{ border-color:rgb(133, 177, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 177, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 177, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 177, 160);  
box-shadow:4px 4px 4px 4px rgb(133, 177,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9689, 0.2890, 0.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 177, 160) }
```

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

```
.background{ background-color: rgb(133,  
177, 160) }
```

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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