

Converting Colors

$Yxy(38.4326, 0.2798, 0.3363)$

Have a look what the booklet for
Yxy(38.4326, 0.2798, 0.3363)
contains.

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Color

Yxy(38.3875, 0.2800, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	83AFAA
RGB	131, 175, 170
RGB Percent	51%, 69%, 67%
CMY	0.4864, 0.3137, 0.3334
CMYK	0.25, 0.00, 0.03, 0.31
HSL	173°, 22%, 60%
HSV	173°, 25%, 69%
XYZ	31.9421, 38.3875, 43.7492
YIQ	161.2740, -24.6190, -10.8830

Conversions

Conversions Part 2

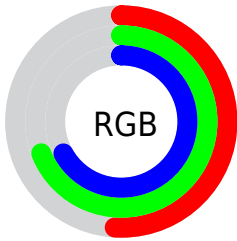
Format	Color
RYB	131, 154, 175
Decimal	8630186
CIELab	68.31, -15.76, -2.23
CIElCh	68, 15.916, 188.047
Yxy	38.3875, 0.2800, 0.3365
Android (android.graphics.Color)	4286820266 (0xFF83AFAA)
YUV	161.2740, 4.3019, -26.5503
Hunter-Lab	61.9576, -16.4008, 1.5048

Details

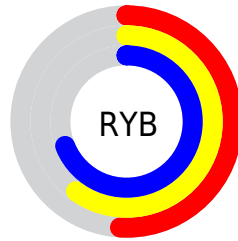
The Yxy color **38.3875, 0.2800, 0.3365** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.1197, 0.3587, 0.3217**, and the grayscale version is **35.7613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9024, 0.2864, 0.3358**, and **16.9325, 0.2699, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **37.0330, 0.2687, 0.3399**, and if you desaturate by 10%, it is **39.9823, 0.2924, 0.3333**.

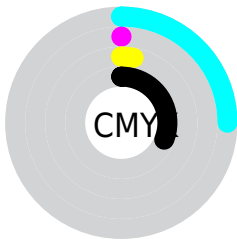
Distribution



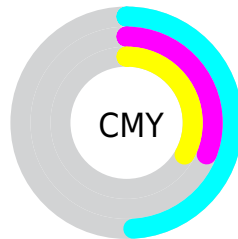
- Red (51%)
- Green (69%)
- Blue (67%)



- Red (51%)
- Yellow (60%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)



- Cyan (49%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3875, 0.2800, 0.3365 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 38.3875, 0.2800, 0.3365 by changing the saturation by 10% instead.


 38.3875, 0.2800,
0.3365


 38.3875, 0.2800,
0.3365


339.2793, 0.2968,
0.3328

 26.2836, 0.2757,
0.3374


 72.7017, 0.2862,
0.3351

 17.0359, 0.2700,
0.3386

 95.6807, 0.2885,
0.3346

 10.2601, 0.2623,
0.3402


 123.0536, 0.2904,
0.3342

 5.5717, 0.2513,
0.3424

155.2047, 0.2921,
0.3338

 2.5865, 0.2342,
0.3455

192.5185, 0.2935,
0.3335

 0.9199, 0.1897,
0.3567

235.3792, 0.2947,

 0.0000, 0.0000,

0.3332

0.0000

284.1714, 0.2958,
0.3330

■ 38.3875, 0.2800,
0.3365

■ 38.3875, 0.2800,
0.3365

■ 37.0330, 0.2687,
0.3399

■ 39.9823, 0.2924,
0.3333

■ 35.9022, 0.2587,
0.3435

■ 41.8238, 0.3057,
0.3304

■ 34.9838, 0.2503,
0.3473

■ 43.9238, 0.3194,
0.3277

■ 34.2637, 0.2437,
0.3511

■ 46.2920, 0.3335,
0.3254

■ 33.7258, 0.2389,
0.3550

■ 48.9378, 0.3476,
0.3232

■ 33.3519, 0.2360,
0.3589

■ 51.8699, 0.3616,
0.3214

■ 33.1191, 0.2349,
0.3628

■ 55.0967, 0.3753,
0.3197

■ 33.0318, 0.2346,
0.3647

■ 55.4670, 0.3748,
0.3177

■ 55.5525, 0.3730,
0.3156

Harmonies

Analogous

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



38.3875, 0.2998, 0.3572



38.3875, 0.2800, 0.3365



38.3875, 0.2690, 0.3145

Triad

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



38.3875, 0.2800, 0.3365



38.3875, 0.3006, 0.2920



38.3875, 0.3580, 0.3587

Complementary

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



38.3875, 0.2800, 0.3365



27.1197, 0.3587, 0.3217

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.



38.3875, 0.3585, 0.3407



38.3875, 0.2800, 0.3365



38.3875, 0.3246, 0.3031

Square

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



38.3875, 0.2800, 0.3365



38.3875, 0.2805, 0.2898



38.3875, 0.3461, 0.3206



38.3875, 0.3450, 0.3697

Rectangle

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



38.3875, 0.2800, 0.3365



38.3875, 0.2679, 0.3024



38.3875, 0.3461, 0.3206



38.3875, 0.3597, 0.3533

Sweetspot

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



38.3891, 0.2800, 0.3365



73.8657, 0.3017, 0.3312



37.5457, 0.3139, 0.3982



16.3066, 0.2997, 0.3317



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.



38.3891, 0.2800, 0.3365



67.3921, 0.2738, 0.3383



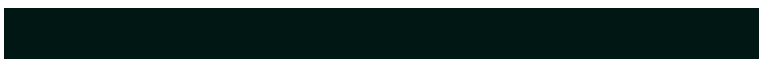
32.4177, 0.2742, 0.3029



9.0561, 0.3001, 0.3316



23.6580, 0.2345, 0.3643



0.6625, 0.2313, 0.3525

Inverse Universe

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



27.1197, 0.3587, 0.3217



43.8490, 0.3721, 0.3201



31.8883, 0.3588, 0.3537



8.0297, 0.3269, 0.3264



6.5678, 0.6237, 0.3210



0.1873, 0.5675, 0.2900

Previews

White Background



This preview shows how the Yxy color 38.3875, 0.2800, 0.3365 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 38.3875, 0.2800, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

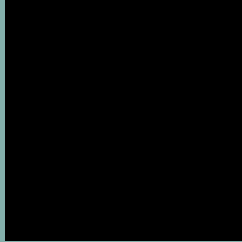
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

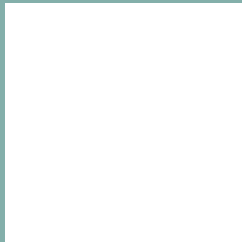
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3875, 0.2800, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 38.3875, 0.2800, 0.3365.

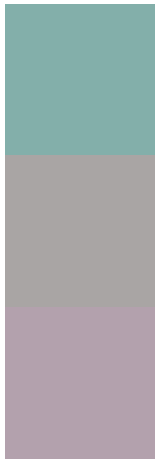


This preview shows how white text looks on a background with the Yxy color 38.3875, 0.2800, 0.3365.

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

38.3875, 0.2800, 0.3365

Protanopia

38.0256, 0.3173, 0.3304

Deuteranopia

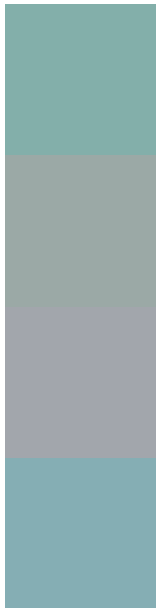
38.0906, 0.3192, 0.3127



Tritanopia

38.5006, 0.2707, 0.3099

Trichromacy



Original Color

38.3875, 0.2800, 0.3365

Protanomaly

38.0977, 0.3026, 0.3333

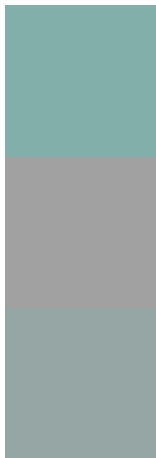
Deuteranomaly

37.9324, 0.3040, 0.3205

Tritanomaly

38.5539, 0.2743, 0.3200

Monochromacy



Original Color

38.3875, 0.2800, 0.3365

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4368, 0.2998, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3875, 0.2800, 0.3365 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, 175, 170)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 170)  
}
```

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, 175, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 170) }
```

Border

The CSS property to change the border of an element to Yxy 38.3875, 0.2800, 0.3365 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, 175, 170) }
```

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

```
.border{ border-color:rgb(131, 175, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 175, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 170);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3875, 0.2800, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 175, 170) }
```

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

```
.background{ background-color: rgb(131,  
175, 170) }
```

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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