

Converting Colors

$Yxy(38.3284, 0.2829, 0.3436)$

Have a look what the booklet for
Yxy(38.3284, 0.2829, 0.3436)
contains.

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Color

Yxy(38.2384, 0.2829, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	83AFA6
RGB	131, 175, 166
RGB Percent	51%, 69%, 65%
CMY	0.4862, 0.3137, 0.3490
CMYK	0.25, 0.00, 0.05, 0.31
HSL	168°, 22%, 60%
HSV	168°, 25%, 69%
XYZ	31.5751, 38.2384, 41.7988
YIQ	160.8180, -23.3350, -12.1270

Conversions

Conversions Part 2

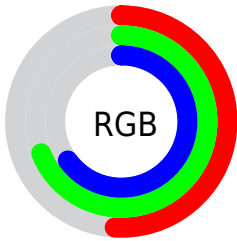
Format	Color
RYB	131, 156, 175
Decimal	8630182
CIELab	68.20, -16.62, -0.19
CIElCh	68, 16.625, 180.655
Yxy	38.2384, 0.2829, 0.3426
Android (android.graphics.Color)	4286820262 (0xFF83AFA6)
YUV	160.8180, 2.5547, -26.1504
Hunter-Lab	61.8372, -17.0699, 3.2090

Details

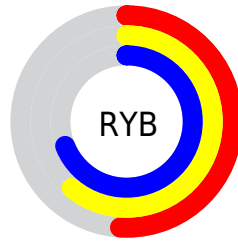
The Yxy color **38.2384, 0.2829, 0.3426** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.2435, 0.3540, 0.3159**, and the grayscale version is **35.5499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6866, 0.2887, 0.3404**, and **16.8394, 0.2737, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **36.8290, 0.2725, 0.3488**, and if you desaturate by 10%, it is **39.8905, 0.2943, 0.3368**.

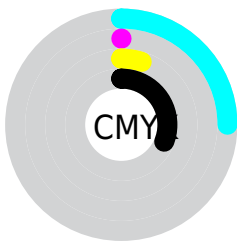
Distribution



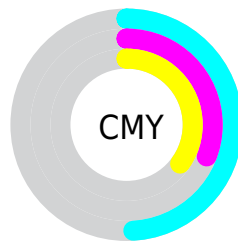
- Red (51%)
- Green (69%)
- Blue (65%)



- Red (51%)
- Yellow (61%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)





- Cyan (49%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2384, 0.2829, 0.3426 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 38.2384, 0.2829, 0.3426 by changing the saturation by 10% instead.


 38.2384, 0.2829,
0.3426


 38.2384, 0.2829,
0.3426


338.6415, 0.2983,
0.3356


 26.1678, 0.2789,
0.3444


 72.4734, 0.2886,
0.3400

 16.9492, 0.2737,
0.3468


 95.4066, 0.2907,
0.3391

 10.1983, 0.2666,
0.3500

 122.7293, 0.2925,
0.3383

 5.5306, 0.2563,
0.3546

154.8261, 0.2940,
0.3376

 2.5618, 0.2402,
0.3619

192.0814, 0.2953,
0.3370

 0.9075, 0.1930,
0.3836

234.8794, 0.2964,

 0.0000, 0.0000,

0.3365

0.0000

283.6047, 0.2974,
0.3360

■ 38.2384, 0.2829,
0.3426

■ 38.2384, 0.2829,
0.3426

■ 36.8290, 0.2725,
0.3488

■ 39.8905, 0.2943,
0.3368

■ 35.6459, 0.2633,
0.3555

■ 41.7918, 0.3063,
0.3315

■ 34.6777, 0.2556,
0.3625

■ 43.9542, 0.3188,
0.3267

■ 33.9101, 0.2496,
0.3697

■ 46.3874, 0.3315,
0.3224

■ 33.3272, 0.2455,
0.3770

■ 49.1007, 0.3442,
0.3186

■ 32.9106, 0.2434,
0.3844

■ 52.1029, 0.3567,
0.3153

■ 32.6376, 0.2430,
0.3918

■ 55.4024, 0.3689,
0.3123

■ 32.5313, 0.2432,
0.3953

■ 55.8427, 0.3669,
0.3087

■ 56.0060, 0.3637,
0.3050

Harmonies

Analogous

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



38.2384, 0.3051, 0.3628



38.2384, 0.2829, 0.3426



38.2384, 0.2689, 0.3191

Triad

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



38.2384, 0.2829, 0.3426



38.2384, 0.2942, 0.2888



38.2384, 0.3615, 0.3559

Complementary

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



38.2384, 0.2829, 0.3426



27.2435, 0.3540, 0.3159

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.



38.2384, 0.3586, 0.3360



38.2384, 0.2829, 0.3426



38.2384, 0.3189, 0.2984

Square

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



38.2384, 0.2829, 0.3426



38.2384, 0.2752, 0.2891



38.2384, 0.3428, 0.3153



38.2384, 0.3508, 0.3697

Rectangle

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



38.2384, 0.2829, 0.3426



38.2384, 0.2657, 0.3054



38.2384, 0.3428, 0.3153



38.2384, 0.3621, 0.3496

Sweetspot

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



38.2400, 0.2829, 0.3426



73.7768, 0.3027, 0.3331



37.9218, 0.3178, 0.3973



16.2833, 0.3009, 0.3338



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.



38.2400, 0.2829, 0.3426



67.0741, 0.2772, 0.3459



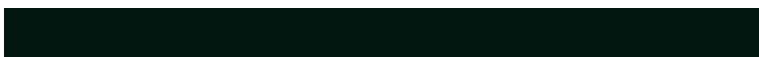
33.9517, 0.2748, 0.3098



9.0436, 0.3013, 0.3337



23.3057, 0.2429, 0.3945



0.6553, 0.2368, 0.3723

Inverse Universe

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



27.2435, 0.3540, 0.3159



44.0810, 0.3660, 0.3130



30.5411, 0.3602, 0.3474



8.0411, 0.3255, 0.3244



6.6244, 0.6029, 0.3095



0.1918, 0.5238, 0.2659

Previews

White Background



This preview shows how the Yxy color 38.2384, 0.2829, 0.3426 looks on a white background.

Color Contrast Check

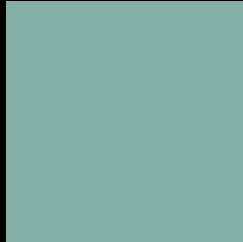
Large Text (above 18pt) WCAG AA × Fail

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 38.2384, 0.2829, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

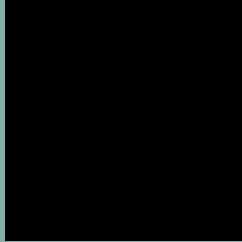
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2384, 0.2829, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 38.2384, 0.2829, 0.3426.

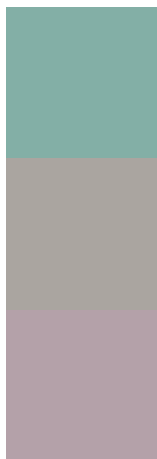


This preview shows how white text looks on a background with the Yxy color 38.2384, 0.2829, 0.3426.

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

38.2384, 0.2829, 0.3426

Protanopia

37.9944, 0.3218, 0.3361

Deuteranopia

38.0576, 0.3237, 0.3181



Tritanopia

38.2011, 0.2713, 0.3084

Trichromacy



Original Color

38.2384, 0.2829, 0.3426

Protanomaly

38.0525, 0.3068, 0.3392

Deuteranomaly

37.7810, 0.3073, 0.3261

Tritanomaly

38.2101, 0.2756, 0.3200

Monochromacy



Original Color

38.2384, 0.2829, 0.3426

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4008, 0.3007, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2384, 0.2829, 0.3426 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 166) }
```

Border

The CSS property to change the border of an element to Yxy 38.2384, 0.2829, 0.3426 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, 166) }
```

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

```
.border{ border-color:rgb(131, 175, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 166);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2384, 0.2829, 0.3426 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, 166) }
```

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

```
.background{ background-color: rgb(131,  
175, 166) }
```

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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