

Converting Colors

$Yxy(38.3656, 0.2791, 0.3350)$

Have a look what the booklet for
Yxy(38.3656, 0.2791, 0.3350)
contains.

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Color

Yxy(38.4255, 0.2793, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	83AFAB
RGB	131, 175, 171
RGB Percent	51%, 69%, 67%
CMY	0.4861, 0.3137, 0.3293
CMYK	0.25, 0.00, 0.02, 0.31
HSL	175°, 22%, 60%
HSV	175°, 25%, 69%
XYZ	32.0461, 38.4255, 44.2656
YIQ	161.3880, -24.9400, -10.5720

Conversions

Conversions Part 2

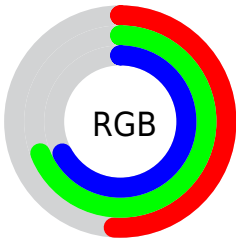
Format	Color
RYB	131, 154, 175
Decimal	8630187
CIELab	68.33, -15.50, -2.76
CIELCh	68, 15.746, 190.090
Yxy	38.4255, 0.2793, 0.3349
Android (android.graphics.Color)	4286820267 (0xFF83AFAB)
YUV	161.3880, 4.7387, -26.6503
Hunter-Lab	61.9883, -16.2003, 1.0530

Details

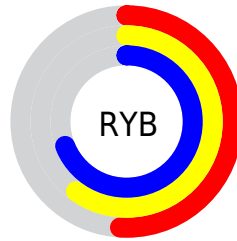
The Yxy color **38.4255, 0.2793, 0.3349** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.1051, 0.3599, 0.3233**, and the grayscale version is **35.8210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9571, 0.2858, 0.3346**, and **16.9565, 0.2689, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **37.0853, 0.2677, 0.3376**, and if you desaturate by 10%, it is **40.0056, 0.2920, 0.3324**.

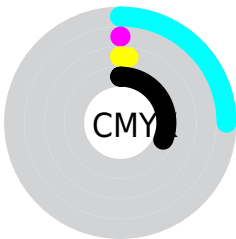
Distribution



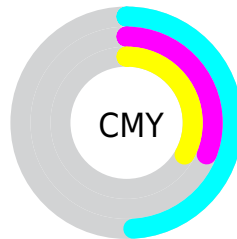
- Red (51%)
- Green (69%)
- Blue (67%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4255, 0.2793, 0.3349 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 38.4255, 0.2793, 0.3349 by changing the saturation by 10% instead.


 38.4255, 0.2793,
0.3349

 38.4255, 0.2793,
0.3349


339.4417, 0.2964,
0.3320


 26.3131, 0.2749,
0.3356


 72.7599, 0.2856,
0.3339

 17.0580, 0.2691,
0.3365


 95.7506, 0.2880,
0.3335

 10.2759, 0.2613,
0.3376


 123.1362, 0.2899,
0.3331

 5.5822, 0.2501,
0.3392

155.3012, 0.2916,
0.3329

 2.5928, 0.2327,
0.3413

192.6298, 0.2931,
0.3326

 0.9230, 0.1889,
0.3499

235.5065, 0.2943,

 0.0000, 0.0000,

0.3324

0.0000

284.3157, 0.2955,
0.3322

■ 38.4255, 0.2793,
0.3349

■ 38.4255, 0.2793,
0.3349

■ 37.0853, 0.2677,
0.3376

■ 40.0056, 0.2920,
0.3324

■ 35.9685, 0.2575,
0.3404

■ 41.8318, 0.3055,
0.3301

■ 35.0636, 0.2489,
0.3433

■ 43.9161, 0.3197,
0.3280

■ 34.3566, 0.2421,
0.3464

■ 46.2683, 0.3341,
0.3261

■ 33.8315, 0.2372,
0.3494

■ 48.8975, 0.3486,
0.3244

■ 33.4699, 0.2342,
0.3525

■ 51.8125, 0.3629,
0.3230

■ 33.2491, 0.2328,
0.3555

■ 55.0218, 0.3770,
0.3217

■ 33.1671, 0.2325,
0.3570

■ 55.3650, 0.3769,
0.3201

■ 55.4315, 0.3754,
0.3184

Harmonies

Analogous

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



38.4255, 0.2984, 0.3556



38.4255, 0.2793, 0.3349



38.4255, 0.2691, 0.3133

Triad

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



38.4255, 0.2793, 0.3349



38.4255, 0.3023, 0.2928



38.4255, 0.3570, 0.3594

Complementary

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



38.4255, 0.2793, 0.3349



27.1051, 0.3599, 0.3233

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.



38.4255, 0.3584, 0.3419



38.4255, 0.2793, 0.3349



38.4255, 0.3261, 0.3044

Square

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



38.4255, 0.2793, 0.3349



38.4255, 0.2820, 0.2900



38.4255, 0.3469, 0.3220



38.4255, 0.3434, 0.3696

Rectangle

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



38.4255, 0.2793, 0.3349



38.4255, 0.2685, 0.3016



38.4255, 0.3469, 0.3220



38.4255, 0.3589, 0.3542

Sweetspot

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



38.4271, 0.2793, 0.3349



73.8892, 0.3014, 0.3308



37.4843, 0.3132, 0.3982



16.3128, 0.2994, 0.3311



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.



38.4271, 0.2793, 0.3349



67.4775, 0.2729, 0.3363



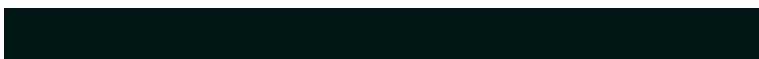
32.1764, 0.2741, 0.3018



9.0594, 0.2998, 0.3310



23.7584, 0.2324, 0.3566



0.6645, 0.2298, 0.3474

Inverse Universe

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



27.1051, 0.3599, 0.3233



43.7900, 0.3738, 0.3220



32.1277, 0.3585, 0.3547



8.0267, 0.3273, 0.3270



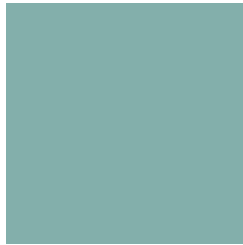
6.5574, 0.6277, 0.3232



0.1861, 0.5808, 0.2973

Previews

White Background



This preview shows how the Yxy color 38.4255, 0.2793, 0.3349 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 38.4255, 0.2793, 0.3349 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

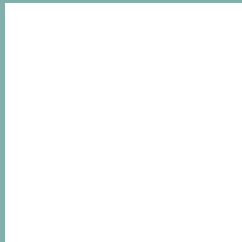
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4255, 0.2793, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 38.4255, 0.2793, 0.3349.

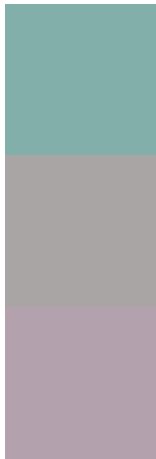


This preview shows how white text looks on a background with the Yxy color 38.4255, 0.2793, 0.3349.

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

38.4255, 0.2793, 0.3349

Protanopia

38.0619, 0.3165, 0.3290

Deuteranopia

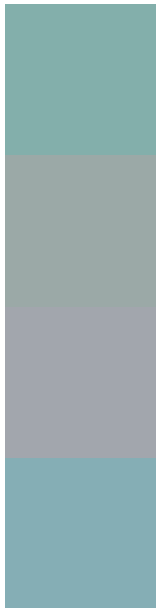
38.1294, 0.3183, 0.3114



Tritanopia

38.5006, 0.2707, 0.3099

Trichromacy



Original Color

38.4255, 0.2793, 0.3349

Protanomaly

38.1345, 0.3018, 0.3319

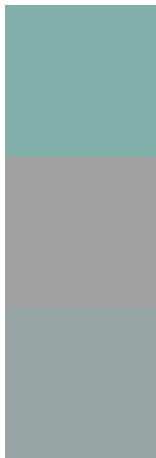
Deuteranomaly

37.9709, 0.3032, 0.3190

Tritanomaly

38.5948, 0.2736, 0.3185

Monochromacy



Original Color

38.4255, 0.2793, 0.3349

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4731, 0.2990, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4255, 0.2793, 0.3349 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 171) }
```

Border

The CSS property to change the border of an element to Yxy 38.4255, 0.2793, 0.3349 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, 171) }
```

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

```
.border{ border-color:rgb(131, 175, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 171);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4255, 0.2793, 0.3349 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, 171) }
```

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

```
.background{ background-color: rgb(131,  
175, 171) }
```

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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