

Converting Colors

$Y_{xy}(40.8129, 0.2842, 0.3335)$

Have a look what the booklet for
Yxy(40.8129, 0.2842, 0.3335)
contains.

Yxy(40.9981, 0.2845, 0.3347)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.9981, 0.2845, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	8DB3AF
RGB	141, 179, 175
RGB Percent	55%, 70%, 69%
CMY	0.4469, 0.2981, 0.3136
CMYK	0.21, 0.00, 0.02, 0.30
HSL	174°, 20%, 63%
HSV	174°, 21%, 70%
XYZ	34.8490, 40.9981, 46.6450
YIQ	167.1820, -21.3640, -9.3000

Conversions

Conversions Part 2

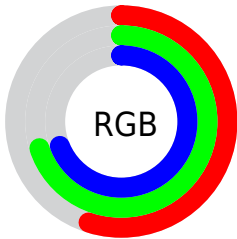
Format	Color
RYB	141, 161, 179
Decimal	9286575
CIELab	70.17, -13.58, -2.19
CIELCh	70, 13.752, 189.172
Yxy	40.9981, 0.2845, 0.3347
Android (android.graphics.Color)	4287476655 (0xFF8DB3AF)
YUV	167.1820, 3.8543, -22.9616
Hunter-Lab	64.0298, -14.9012, 1.6287

Details

The Yxy color $40.9981, 0.2845, 0.3347$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $30.6892, 0.3502, 0.3234$, and the grayscale version is $38.7304, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.7319, 0.2899, 0.3345$, and $18.5254, 0.2759, 0.3351$ is the 20% darker color. If you saturate the color by 10%, you get $39.4818, 0.2726, 0.3377$, and if you desaturate by 10%, it is $42.7724, 0.2974, 0.3319$.

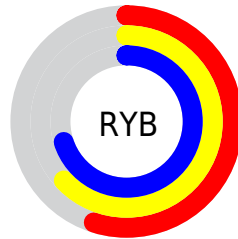
Distribution



Red (55%)

Green (70%)

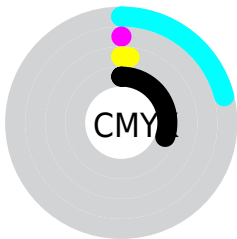
Blue (69%)



Red (55%)

Yellow (63%)

Blue (70%)

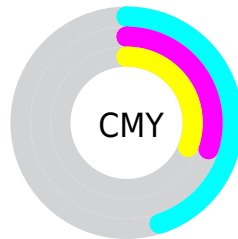


Cyan (21%)

Magenta (0%)

Yellow (2%)

Black (30%)



Cyan (45%)


Magenta (30%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9981, 0.2845, 0.3347 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 40.9981, 0.2845, 0.3347 by changing the saturation by 10% instead.


 40.9981, 0.2845,
0.3347

 40.9981, 0.2845,
0.3347


350.3127, 0.2988,
0.3319

 28.3176, 0.2808,
0.3354


 76.6810, 0.2898,
0.3337

 18.5652, 0.2761,
0.3363


 100.4522, 0.2917,
0.3333

 11.3565, 0.2697,
0.3374


 128.6891, 0.2934,
0.3330

 6.3072, 0.2606,
0.3390

161.7761, 0.2948,
0.3327

 3.0328, 0.2467,
0.3412

200.0975, 0.2960,
0.3325

 1.1489, 0.2220,
0.3450

244.0378, 0.2971,

 0.0193, 0.0000,

0.3323

0.0998

293.9814, 0.2980,
0.3321

0.0000, 0.0000,
0.0000

40.9981, 0.2845,
0.3347

40.9981, 0.2845,
0.3347

39.4818, 0.2726,
0.3377

42.7724, 0.2974,
0.3319

38.2063, 0.2619,
0.3410

44.8110, 0.3110,
0.3293

37.1600, 0.2528,
0.3444

47.1262, 0.3251,
0.3270

36.3287, 0.2454,
0.3479

49.7282, 0.3394,
0.3249

35.6962, 0.2398,
0.3514

52.6264, 0.3536,
0.3230

■ 35.2442, 0.2362,
0.3550

■ 55.8300, 0.3677,
0.3214

■ 34.9510, 0.2343,
0.3586

■ 57.1340, 0.3717,
0.3196

■ 34.7849, 0.2338,
0.3617

■ 57.2154, 0.3701,
0.3177

■ 57.2978, 0.3684,
0.3157

Harmonies

Analogous

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



40.9981, 0.3011, 0.3521



40.9981, 0.2845, 0.3347



40.9981, 0.2754, 0.3162

Triad

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



40.9981, 0.2845, 0.3347



40.9981, 0.3033, 0.2977



40.9981, 0.3507, 0.3548

Complementary

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



40.9981, 0.2845, 0.3347



30.6892, 0.3502, 0.3234

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.



40.9981, 0.3515, 0.3397



40.9981, 0.2845, 0.3347



40.9981, 0.3236, 0.3075

Square

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



40.9981, 0.2845, 0.3347



40.9981, 0.2860, 0.2956



40.9981, 0.3415, 0.3226



40.9981, 0.3395, 0.3636

Rectangle

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



40.9981, 0.2845, 0.3347



40.9981, 0.2747, 0.3061



40.9981, 0.3415, 0.3226



40.9981, 0.3522, 0.3503

Sweetspot

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



40.9998, 0.2845, 0.3347



78.4130, 0.3043, 0.3305



40.2242, 0.3138, 0.3861



17.3207, 0.3034, 0.3307



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.9998, 0.2845, 0.3347



72.2343, 0.2793, 0.3360



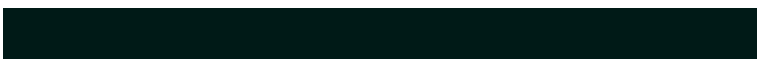
35.6310, 0.2802, 0.3074



9.6159, 0.2999, 0.3314



24.5884, 0.2337, 0.3612



0.7780, 0.2309, 0.3513

Inverse Universe

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



30.6892, 0.3502, 0.3234



50.7504, 0.3600, 0.3223



35.1464, 0.3504, 0.3497



8.5192, 0.3271, 0.3266



6.8097, 0.6256, 0.3220



0.2189, 0.5758, 0.2946

Previews

White Background



This preview shows how the Yxy color 40.9981, 0.2845, 0.3347 looks on a white background.

Color Contrast Check

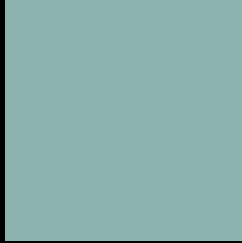
Large Text (above 18pt) WCAG AA × Fail

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 40.9981, 0.2845, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

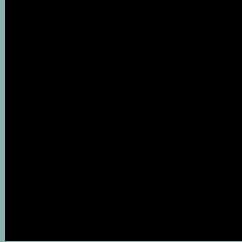
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

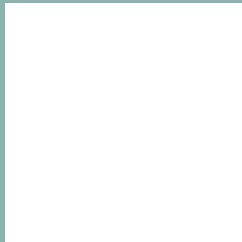
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9981, 0.2845, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 40.9981, 0.2845, 0.3347.

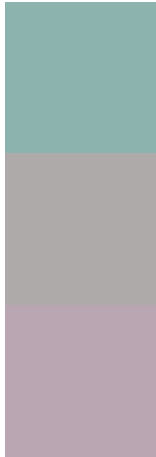


This preview shows how white text looks on a background with the Yxy color 40.9981, 0.2845, 0.3347.

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

40.9981, 0.2845, 0.3347

Protanopia

40.6504, 0.3164, 0.3290

Deuteranopia

40.8011, 0.3199, 0.3132



Tritanopia

41.1352, 0.2753, 0.3091

Trichromacy



Original Color

40.9981, 0.2845, 0.3347

Protanomaly

40.5471, 0.3038, 0.3304

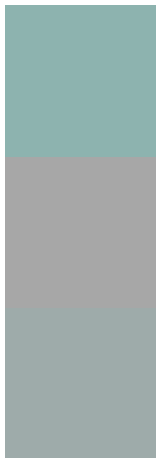
Deuteranomaly

40.7352, 0.3060, 0.3207

Tritanomaly

41.1832, 0.2788, 0.3189

Monochromacy



Original Color

40.9981, 0.2845, 0.3347

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2972, 0.3020, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9981, 0.2845, 0.3347 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(141, 179, 175)` looks like.

```
.text, #text, p{  
    color:rgb(141, 179, 175)  
}
```

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(141, 179, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 179, 175) }
```

Border

The CSS property to change the border of an element to Yxy 40.9981, 0.2845, 0.3347 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(141, 179, 175) }
```

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

```
.border{ border-color:rgb(141, 179, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 179, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 179, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 179, 175);  
box-shadow:4px 4px 4px 4px rgb(141, 179,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9981, 0.2845, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 179, 175) }
```

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

```
.background{ background-color: rgb(141,  
179, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor