

Converting Colors

$Y_{xy}(41.4991, 0.2844, 0.3521)$

Have a look what the booklet for
Yxy(41.4991, 0.2844, 0.3521)
contains.

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Color

Yxy(41.6435, 0.2845, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	85B7A7
RGB	133, 183, 167
RGB Percent	52%, 72%, 65%
CMY	0.4783, 0.2823, 0.3452
CMYK	0.27, 0.00, 0.09, 0.28
HSL	161°, 26%, 62%
HSV	161°, 27%, 72%
XYZ	33.5816, 41.6435, 42.8121
YIQ	166.2260, -24.6640, -15.5760

Conversions

Conversions Part 2

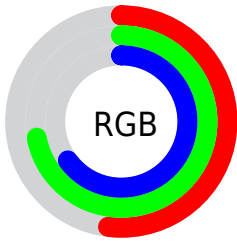
Format	Color
RYB	133, 163, 183
Decimal	8763303
CIELab	70.62, -19.91, 2.83
CIELCh	71, 20.108, 171.904
Yxy	41.6435, 0.2845, 0.3528
Android (android.graphics.Color)	4286953383 (0xFF85B7A7)
YUV	166.2260, 0.3816, -29.1392
Hunter-Lab	64.5318, -20.0413, 5.8377

Details

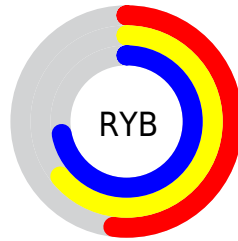
The Yxy color **41.6435, 0.2845, 0.3528** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.0206, 0.3523, 0.3065**, and the grayscale version is **38.2572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5717, 0.2897, 0.3482**, and **18.9969, 0.2764, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **40.0707, 0.2755, 0.3630**, and if you desaturate by 10%, it is **43.4891, 0.2944, 0.3434**.

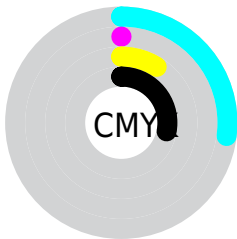
Distribution



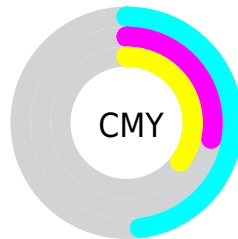
- Red (52%)
- Green (72%)
- Blue (65%)



- Red (52%)
- Yellow (64%)
- Blue (72%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (28%)




- Cyan (48%)
- Magenta (28%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6435, 0.2845, 0.3528 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 41.6435, 0.2845, 0.3528 by changing the saturation by 10% instead.

 41.6435, 0.2845,
0.3528

 41.6435, 0.2845,
0.3528


353.0030, 0.2989,
0.3405


 28.8222, 0.2808,
0.3560


 77.6598, 0.2898,
0.3482

 18.9464, 0.2760,
0.3602


 101.6236, 0.2918,
0.3466

 11.6316, 0.2694,
0.3659


 130.0704, 0.2935,
0.3452

 6.4933, 0.2601,
0.3741

163.3846, 0.2949,
0.3440

 3.1473, 0.2456,
0.3871

201.9506, 0.2961,
0.3429

 1.2091, 0.2158,
0.4129

246.1527, 0.2972,

 0.0691, 0.0000,

0.3420

1.0000

296.3753, 0.2981,
0.3412

0.0000, 0.0000,
0.0000

41.6435, 0.2845,
0.3528

41.6435, 0.2845,
0.3528

40.0707, 0.2755,
0.3630

43.4891, 0.2944,
0.3434

38.7519, 0.2677,
0.3740

45.6150, 0.3048,
0.3348

37.6742, 0.2613,
0.3855

48.0347, 0.3156,
0.3270

36.8210, 0.2567,
0.3975

50.7592, 0.3266,
0.3201

36.1740, 0.2540,
0.4097

53.7992, 0.3375,
0.3139

■ 35.7117, 0.2533,
0.4219

■ 57.1647, 0.3482,
0.3085

■ 35.4028, 0.2544,
0.4339

■ 59.6850, 0.3535,
0.3032

■ 35.3307, 0.2548,
0.4371

■ 59.9795, 0.3485,
0.2973

■ 60.2847, 0.3436,
0.2915

Harmonies

Analogous

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



41.6435, 0.3121, 0.3740



41.6435, 0.2845, 0.3528



41.6435, 0.2649, 0.3251

Triad

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



41.6435, 0.2845, 0.3528



41.6435, 0.2835, 0.2810



41.6435, 0.3709, 0.3538

Complementary

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



41.6435, 0.2845, 0.3528



29.0206, 0.3523, 0.3065

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.



41.6435, 0.3627, 0.3297



41.6435, 0.2845, 0.3528



41.6435, 0.3111, 0.2890

Square

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



41.6435, 0.2845, 0.3528



41.6435, 0.2644, 0.2846



41.6435, 0.3404, 0.3065



41.6435, 0.3626, 0.3730

Rectangle

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



41.6435, 0.2845, 0.3528



41.6435, 0.2586, 0.3076



41.6435, 0.3404, 0.3065



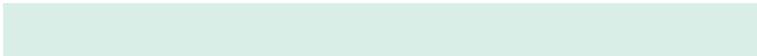
41.6435, 0.3700, 0.3460

Sweetspot

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



41.6452, 0.2845, 0.3528



81.3613, 0.3040, 0.3354



42.0159, 0.3232, 0.4031



17.8377, 0.3024, 0.3367



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



41.6452, 0.2845, 0.3528



72.7708, 0.2788, 0.3591



38.9400, 0.2723, 0.3166



10.1603, 0.3027, 0.3364



24.6596, 0.2544, 0.4357



0.8801, 0.2458, 0.4047

Inverse Universe

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



29.0206, 0.3523, 0.3065



46.2494, 0.3647, 0.3012



30.9157, 0.3677, 0.3410



9.0584, 0.3239, 0.3217



7.2525, 0.5655, 0.2889



0.2673, 0.4908, 0.2477

Previews

White Background



This preview shows how the Yxy color 41.6435, 0.2845, 0.3528 looks on a white background.

Color Contrast Check

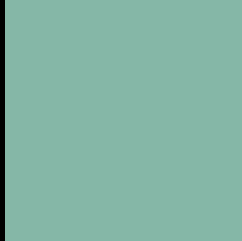
Large Text (above 18pt) WCAG AA × Fail

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 41.6435, 0.2845, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

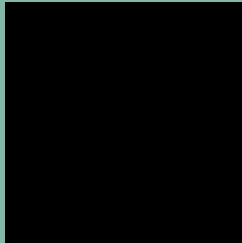
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6435, 0.2845, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 41.6435, 0.2845, 0.3528.

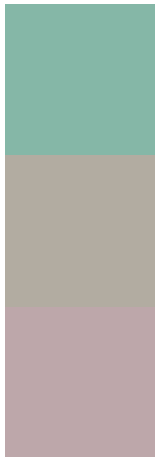


This preview shows how white text looks on a background with the Yxy color 41.6435, 0.2845, 0.3528.

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

41.6435, 0.2845, 0.3528

Protanopia

41.5432, 0.3275, 0.3441

Deuteranopia

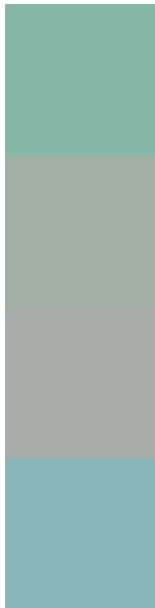
41.3585, 0.3306, 0.3251



Tritanopia

41.5794, 0.2705, 0.3091

Trichromacy



Original Color

41.6435, 0.2845, 0.3528

Protanomaly

41.3764, 0.3110, 0.3474

Deuteranomaly

41.1867, 0.3125, 0.3345

Tritanomaly

41.4216, 0.2753, 0.3231

Monochromacy



Original Color

41.6435, 0.2845, 0.3528

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.1282, 0.3017, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6435, 0.2845, 0.3528 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, 183, 167)` looks like.

```
.text, #text, p{  
    color:rgb(133, 183, 167)  
}
```

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, 183, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 183, 167) }
```

Border

The CSS property to change the border of an element to Yxy 41.6435, 0.2845, 0.3528 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, 183, 167) }
```

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

```
.border{ border-color:rgb(133, 183, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 183, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 183, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 183, 167);  
box-shadow:4px 4px 4px 4px rgb(133, 183,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6435, 0.2845, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 183, 167) }
```

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

```
.background{ background-color: rgb(133,  
183, 167) }
```

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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