

Converting Colors

$Y_{xy}(42.5013, 0.2842, 0.3547)$

Have a look what the booklet for
Yxy(42.5013, 0.2842, 0.3547)
contains.

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Color

Yxy(42.5116, 0.2839, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	85B9A8
RGB	133, 185, 168
RGB Percent	52%, 73%, 66%
CMY	0.4787, 0.2745, 0.3411
CMYK	0.28, 0.00, 0.09, 0.27
HSL	160°, 27%, 62%
HSV	160°, 28%, 73%
XYZ	34.0837, 42.5116, 43.4600
YIQ	167.5140, -25.5350, -16.3110

Conversions

Conversions Part 2

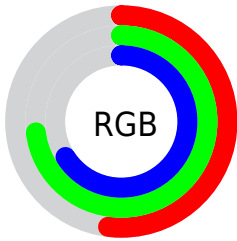
Format	Color
RYB	133, 164, 185
Decimal	8763816
CIELab	71.22, -20.73, 3.13
CIELCh	71, 20.965, 171.422
Yxy	42.5116, 0.2839, 0.3541
Android (android.graphics.Color)	4286953896 (0xFF85B9A8)
YUV	167.5140, 0.2396, -30.2688
Hunter-Lab	65.2009, -20.7909, 6.1206

Details

The Yxy color **42.5116, 0.2839, 0.3541** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.2761, 0.3535, 0.3054**, and the grayscale version is **38.9113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8031, 0.2892, 0.3492**, and **19.5573, 0.2759, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **40.9185, 0.2751, 0.3646**, and if you desaturate by 10%, it is **44.3838, 0.2936, 0.3444**.

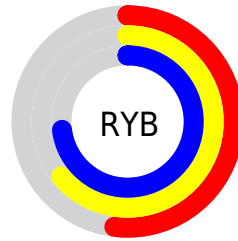
Distribution



Red (52%)

Green (73%)

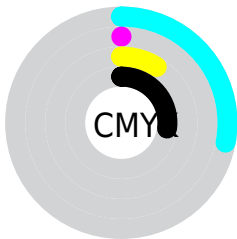
Blue (66%)



Red (52%)

Yellow (64%)

Blue (73%)

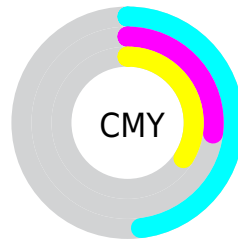


Cyan (28%)

Magenta (0%)

Yellow (9%)

Black (27%)



Cyan (48%)


Magenta (27%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5116, 0.2839, 0.3541 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 42.5116, 0.2839, 0.3541 by changing the saturation by 10% instead.


 42.5116, 0.2839,
0.3541


 42.5116, 0.2839,
0.3541

356.5994, 0.2986,
0.3412


 29.5021, 0.2801,
0.3574


 78.9733, 0.2893,
0.3493

 19.4610, 0.2752,
0.3618


 103.1943, 0.2913,
0.3476

 12.0038, 0.2686,
0.3678


 131.9213, 0.2930,
0.3461

 6.7463, 0.2592,
0.3764

165.5386, 0.2945,
0.3448

 3.3039, 0.2447,
0.3899

204.4307, 0.2957,
0.3437

 1.2924, 0.2169,
0.4154

248.9819, 0.2968,

 0.1353, 0.0000,

0.3428

1.0000

299.5767, 0.2978,
0.3419

0.0000, 0.0000,
0.0000

42.5116, 0.2839,
0.3541

42.5116, 0.2839,
0.3541

40.9185, 0.2751,
0.3646

44.3838, 0.2936,
0.3444

39.5853, 0.2674,
0.3758

46.5430, 0.3040,
0.3356

38.4983, 0.2612,
0.3876

49.0031, 0.3147,
0.3276

37.6406, 0.2568,
0.3999

51.7755, 0.3256,
0.3204

36.9930, 0.2543,
0.4123

54.8712, 0.3364,
0.3141

■ 36.5331, 0.2538,
0.4248

■ 58.3004, 0.3470,
0.3085

■ 36.2251, 0.2551,
0.4370

■ 60.6319, 0.3512,
0.3031

■ 36.1743, 0.2554,
0.4393

■ 60.9393, 0.3462,
0.2970

■ 61.2582, 0.3412,
0.2910

Harmonies

Analogous

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



42.5116, 0.3126, 0.3759



42.5116, 0.2839, 0.3541



42.5116, 0.2635, 0.3253

Triad

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



42.5116, 0.2839, 0.3541



42.5116, 0.2821, 0.2793



42.5116, 0.3730, 0.3542

Complementary

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



42.5116, 0.2839, 0.3541



29.2761, 0.3535, 0.3054

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.



42.5116, 0.3643, 0.3293



42.5116, 0.2839, 0.3541



42.5116, 0.3106, 0.2875

Square

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



42.5116, 0.2839, 0.3541



42.5116, 0.2625, 0.2832



42.5116, 0.3410, 0.3054



42.5116, 0.3646, 0.3742

Rectangle

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



42.5116, 0.2839, 0.3541



42.5116, 0.2569, 0.3072



42.5116, 0.3410, 0.3054



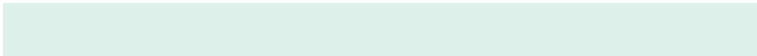
42.5116, 0.3720, 0.3461

Sweetspot

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



42.5133, 0.2839, 0.3541



83.3495, 0.3040, 0.3356



42.9083, 0.3235, 0.4057



17.8361, 0.3024, 0.3368



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.



42.5133, 0.2839, 0.3541



74.2419, 0.2781, 0.3607



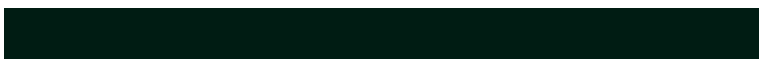
39.6678, 0.2711, 0.3162



10.1594, 0.3028, 0.3366



24.6412, 0.2549, 0.4377



0.8795, 0.2462, 0.4062

Inverse Universe

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



29.2761, 0.3535, 0.3054



46.4904, 0.3664, 0.2998



31.2418, 0.3700, 0.3414



9.0593, 0.3238, 0.3216



7.2603, 0.5633, 0.2877



0.2677, 0.4890, 0.2467

Previews

White Background



This preview shows how the Yxy color 42.5116, 0.2839, 0.3541 looks on a white background.

Color Contrast Check

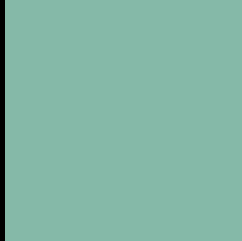
Large Text (above 18pt) WCAG AA × Fail

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 42.5116, 0.2839, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

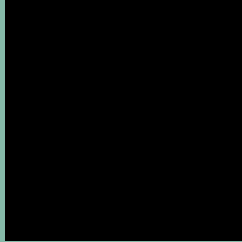
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5116, 0.2839, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 42.5116, 0.2839, 0.3541.



This preview shows how white text looks on a background with the Yxy color 42.5116, 0.2839, 0.3541.

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

42.5116, 0.2839, 0.3541

Protanopia

42.1991, 0.3284, 0.3439

Deuteranopia

42.0602, 0.3306, 0.3238



Tritanopia

42.4768, 0.2695, 0.3092

Trichromacy



Original Color

42.5116, 0.2839, 0.3541

Protanomaly

41.9111, 0.3110, 0.3473

Deuteranomaly

41.7584, 0.3116, 0.3331

Tritanomaly

42.2770, 0.2749, 0.3246

Monochromacy



Original Color

42.5116, 0.2839, 0.3541

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.0678, 0.3010, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5116, 0.2839, 0.3541 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, 185, 168)` looks like.

```
.text, #text, p{  
    color:rgb(133, 185, 168)  
}
```

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, 185, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 185, 168) }
```

Border

The CSS property to change the border of an element to Yxy 42.5116, 0.2839, 0.3541 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, 185, 168) }
```

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

```
.border{ border-color:rgb(133, 185, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 185, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 185, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 185, 168);  
box-shadow:4px 4px 4px 4px rgb(133, 185,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5116, 0.2839, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 185, 168) }
```

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

```
.background{ background-color: rgb(133,  
185, 168) }
```

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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