

Converting Colors

$Y_{xy}(42.5748, 0.2842, 0.3244)$

Have a look what the booklet for
Yxy(42.5748, 0.2842, 0.3244)
contains.

Yxy(42.3991, 0.2835, 0.3233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.3991, 0.2835, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	94B4B8
RGB	148, 180, 184
RGB Percent	58%, 71%, 72%
CMY	0.4198, 0.2941, 0.2785
CMYK	0.20, 0.02, 0.00, 0.28
HSL	187°, 20%, 65%
HSV	187°, 20%, 72%
XYZ	37.1795, 42.3991, 51.5661
YIQ	170.8880, -20.3560, -5.5400

Conversions

Conversions Part 2

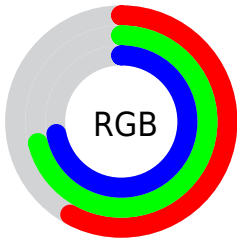
Format	Color
R _Y B	148, 165, 184
Decimal	9745592
CIE Lab	71.15, -9.95, -5.64
CIE LCh	71, 11.443, 209.556
Yxy	42.3991, 0.2835, 0.3233
Android (android.graphics.Color)	4287935672 (0xFF94B4B8)
YUV	170.8880, 6.4642, -20.0728
Hunter-Lab	65.1146, -12.0295, -1.3732

Details

The Yxy color **42.3991, 0.2835, 0.3233** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.7630, 0.3497, 0.3346**, and the grayscale version is **40.6374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9787, 0.2892, 0.3246**, and **19.3588, 0.2755, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **40.0056, 0.2697, 0.3200**, and if you desaturate by 10%, it is **45.0807, 0.2982, 0.3263**.

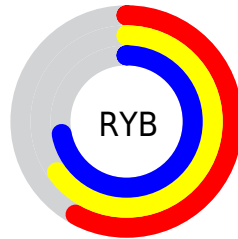
Distribution



Red (58%)

Green (71%)

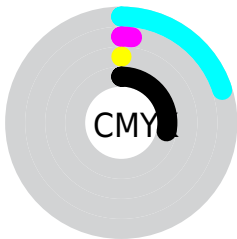
Blue (72%)



Red (58%)

Yellow (65%)

Blue (72%)

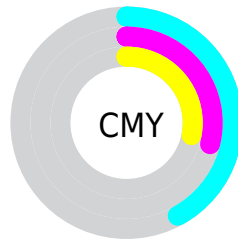


Cyan (20%)

Magenta (2%)

Yellow (0%)

Black (28%)



Cyan (42%)


Magenta (29%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3991, 0.2835, 0.3233 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 42.3991, 0.2835, 0.3233 by changing the saturation by 10% instead.

 42.3991, 0.2835,
0.3233


 42.3991, 0.2835,
0.3233


356.1347, 0.2982,
0.3264

 29.4139, 0.2798,
0.3225


 78.8033, 0.2889,
0.3245

 19.3942, 0.2750,
0.3214


 102.9911, 0.2909,
0.3249

 11.9554, 0.2686,
0.3198


131.6819, 0.2926,
0.3252

 6.7133, 0.2596,
0.3175

165.2601, 0.2940,
0.3255

 3.2835, 0.2460,
0.3138

204.1101, 0.2953,
0.3258

 1.2815, 0.2233,
0.3067

248.6162, 0.2964,

 0.1268, 0.0000,

0.3260

0.1923

299.1630, 0.2974,
0.3262

0.0000, 0.0000,
0.0000

42.3991, 0.2835,
0.3233

42.3991, 0.2835,
0.3233

40.0056, 0.2697,
0.3200

45.0807, 0.2982,
0.3263

37.8822, 0.2569,
0.3166

48.0574, 0.3134,
0.3291

36.0167, 0.2456,
0.3130

51.3422, 0.3288,
0.3316

34.3938, 0.2359,
0.3092

54.9458, 0.3443,
0.3339

32.9966, 0.2280,
0.3054

58.8785, 0.3595,
0.3359

■ 31.8058, 0.2219,
0.3016

■ 62.5076, 0.3717,
0.3377

■ 30.7990, 0.2178,
0.2978

■ 63.4070, 0.3711,
0.3399

■ 29.9323, 0.2151,
0.2941

■ 64.3187, 0.3705,
0.3420

■ 29.8970, 0.2150,
0.2939

■ 65.2428, 0.3699,
0.3440

Harmonies

Analogous

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



42.3991, 0.2933, 0.3386



42.3991, 0.2835, 0.3233



42.3991, 0.2813, 0.3101

Triad

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



42.3991, 0.2835, 0.3233



42.3991, 0.3164, 0.3080



42.3991, 0.3385, 0.3559

Complementary

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



42.3991, 0.2835, 0.3233



34.7630, 0.3497, 0.3346

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.



42.3991, 0.3451, 0.3468



42.3991, 0.2835, 0.3233



42.3991, 0.3322, 0.3194

Square

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



42.3991, 0.2835, 0.3233



42.3991, 0.2999, 0.3018



42.3991, 0.3428, 0.3335



42.3991, 0.3250, 0.3578

Rectangle

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



42.3991, 0.2835, 0.3233



42.3991, 0.2844, 0.3042



42.3991, 0.3428, 0.3335



42.3991, 0.3416, 0.3536

Sweetspot

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



42.4008, 0.2835, 0.3233



83.5467, 0.3034, 0.3273



42.8224, 0.3075, 0.3765



17.9374, 0.3024, 0.3271



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.



42.4008, 0.2835, 0.3233



75.1604, 0.2781, 0.3221



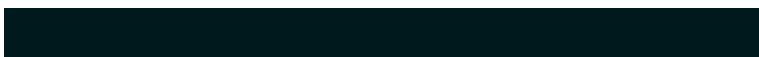
35.7252, 0.2820, 0.2977



10.0367, 0.2985, 0.3264



20.6710, 0.2151, 0.2944



0.7774, 0.2178, 0.3041

Inverse Universe

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



34.6531, 0.3187, 0.2862



58.9090, 0.3200, 0.2777



40.9182, 0.3452, 0.3585



9.1452, 0.3154, 0.3089



8.8691, 0.3504, 0.1704



0.3176, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 42.3991, 0.2835, 0.3233 looks on a white background.

Color Contrast Check

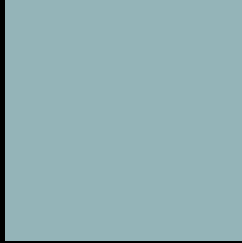
Large Text (above 18pt) WCAG AA × Fail

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 42.3991, 0.2835, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

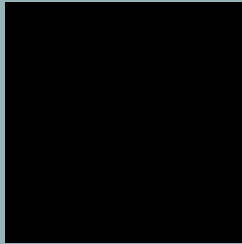
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

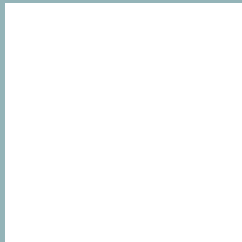
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3991, 0.2835, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 42.3991, 0.2835, 0.3233.



This preview shows how white text looks on a background with the Yxy color 42.3991, 0.2835, 0.3233.

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

42.3991, 0.2835, 0.3233

Protanopia

42.2964, 0.3087, 0.3196

Deuteranopia

42.2354, 0.3129, 0.3069



Tritanopia

42.5745, 0.2786, 0.3095

Trichromacy



Original Color

42.3991, 0.2835, 0.3233

Protanomaly

42.3862, 0.2993, 0.3221

Deuteranomaly

42.1606, 0.3021, 0.3128

Tritanomaly

42.3475, 0.2800, 0.3136

Monochromacy



Original Color

42.3991, 0.2835, 0.3233

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.1932, 0.3015, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3991, 0.2835, 0.3233 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(148, 180, 184)` looks like.

```
.text, #text, p{  
    color:rgb(148, 180, 184)  
}
```

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(148, 180, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 180, 184) }
```

Border

The CSS property to change the border of an element to Yxy 42.3991, 0.2835, 0.3233 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(148, 180, 184) }
```

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

```
.border{ border-color:rgb(148, 180, 184) }
```

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

Here you see how a box with a 4 pixel rgb(148, 180, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 180, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 180, 184);  
box-shadow:4px 4px 4px 4px rgb(148, 180,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3991, 0.2835, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 180, 184) }
```

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

```
.background{ background-color: rgb(148,  
180, 184) }
```

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