

Converting Colors

$Yxy(48.5864, 0.2848, 0.3343)$

Have a look what the booklet for
Yxy(48.5864, 0.2848, 0.3343)
contains.

Yxy(48.5864, 0.2848, 0.3343)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.5864, 0.2848, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	99C1BD
RGB	153, 193, 189
RGB Percent	60%, 76%, 74%
CMY	0.4001, 0.2431, 0.2587
CMYK	0.21, 0.00, 0.02, 0.24
HSL	174°, 24%, 68%
HSV	174°, 21%, 76%
XYZ	41.3922, 48.5864, 55.3591
YIQ	180.5840, -22.5560, -9.7240

Conversions

Conversions Part 2

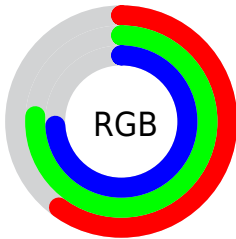
Format	Color
RYB	153, 174, 193
Decimal	10076605
CIELab	75.19, -14.08, -2.40
CIELCh	75, 14.285, 189.661
Yxy	48.5864, 0.2848, 0.3343
Android (android.graphics.Color)	4288266685 (0xFF99C1BD)
YUV	180.5840, 4.1491, -24.1912
Hunter-Lab	69.7039, -15.9835, 1.7044

Details

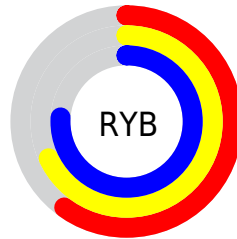
The Yxy color **48.5864, 0.2848, 0.3343** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.5474, 0.3497, 0.3238**, and the grayscale version is **45.9587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3737, 0.2900, 0.3342**, and **23.0095, 0.2769, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **46.7774, 0.2727, 0.3372**, and if you desaturate by 10%, it is **50.7043, 0.2979, 0.3316**.

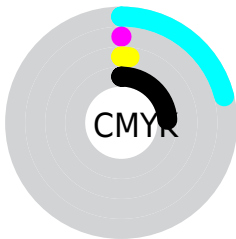
Distribution



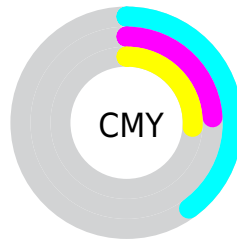
- Red (60%)
- Green (76%)
- Blue (74%)



- Red (60%)
- Yellow (68%)
- Blue (76%)



- Cyan (21%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)




- Cyan (40%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5864, 0.2848, 0.3343 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 48.5864, 0.2848, 0.3343 by changing the saturation by 10% instead.


 48.5864, 0.2848,
0.3343


 48.5864, 0.2848,
0.3343

381.1118, 0.2986,
0.3318

 34.2915, 0.2814,
0.3349


 88.0769, 0.2898,
0.3334

 23.1176, 0.2771,
0.3356


 114.0412, 0.2917,
0.3331

 14.6804, 0.2714,
0.3366


144.6642, 0.2932,
0.3328

 8.5954, 0.2635,
0.3379

180.3301, 0.2946,
0.3325

 4.4782, 0.2519,
0.3396

221.4234, 0.2958,
0.3323

 1.9445, 0.2333,
0.3421

268.3286, 0.2968,

 0.5749, 0.1290,

0.3321

0.3659

321.4299, 0.2978,
0.3319

0.0000, 0.0000,
0.0000

48.5864, 0.2848,
0.3343

48.5864, 0.2848,
0.3343

46.7774, 0.2727,
0.3372

50.7043, 0.2979,
0.3316

45.2566, 0.2619,
0.3403

53.1386, 0.3117,
0.3292

44.0104, 0.2527,
0.3435

55.9041, 0.3259,
0.3270

43.0213, 0.2452,
0.3468

59.0129, 0.3404,
0.3250

42.2701, 0.2395,
0.3502

62.4766, 0.3548,
0.3232

■ 41.7349, 0.2358,
0.3536

■ 63.5970, 0.3577,
0.3214

■ 41.3896, 0.2339,
0.3570

■ 63.6874, 0.3562,
0.3194

■ 41.1926, 0.2334,
0.3601

■ 63.7789, 0.3546,
0.3174

■ 63.8716, 0.3530,
0.3154

Harmonies

Analogous

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



48.5864, 0.3010, 0.3514



48.5864, 0.2848, 0.3343



48.5864, 0.2760, 0.3162

Triad

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



48.5864, 0.2848, 0.3343



48.5864, 0.3038, 0.2983



48.5864, 0.3499, 0.3545

Complementary

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



48.5864, 0.2848, 0.3343



36.5474, 0.3497, 0.3238

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.



48.5864, 0.3509, 0.3398



48.5864, 0.2848, 0.3343



48.5864, 0.3238, 0.3080

Square

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



48.5864, 0.2848, 0.3343



48.5864, 0.2867, 0.2962



48.5864, 0.3412, 0.3230



48.5864, 0.3387, 0.3630

Rectangle

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



48.5864, 0.2848, 0.3343



48.5864, 0.2754, 0.3063



48.5864, 0.3412, 0.3230



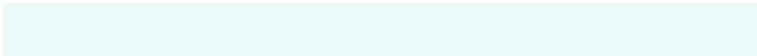
48.5864, 0.3515, 0.3501

Sweetspot

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



48.5884, 0.2848, 0.3343



92.7582, 0.3042, 0.3305



47.6081, 0.3133, 0.3852



19.8389, 0.3033, 0.3306



97.7402, 0.3127, 0.3290



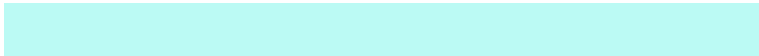
20.4902, 0.3127, 0.3290

Same Dimension

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



48.5884, 0.2848, 0.3343



85.4411, 0.2790, 0.3356



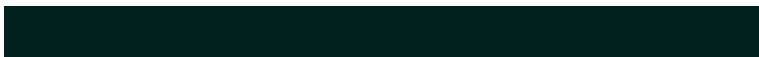
42.0637, 0.2807, 0.3068



11.4107, 0.2997, 0.3313



27.4030, 0.2332, 0.3596



1.1891, 0.2311, 0.3521

Inverse Universe

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



36.5474, 0.3497, 0.3238



59.9049, 0.3605, 0.3226



42.0102, 0.3495, 0.3502



10.0938, 0.3274, 0.3267



7.5780, 0.6271, 0.3228



0.3330, 0.5869, 0.3007

Previews

White Background



This preview shows how the Yxy color 48.5864, 0.2848, 0.3343 looks on a white background.

Color Contrast Check

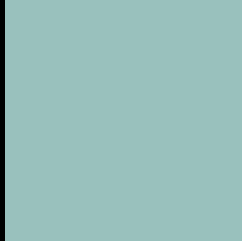
Large Text (above 18pt) WCAG AA × Fail

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 48.5864, 0.2848, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

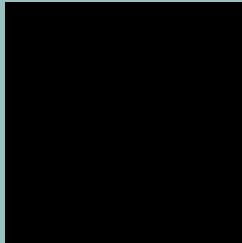
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

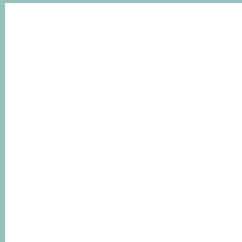
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5864, 0.2848, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 48.5864, 0.2848, 0.3343.

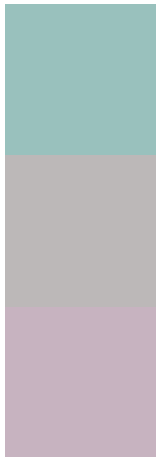


This preview shows how white text looks on a background with the Yxy color 48.5864, 0.2848, 0.3343.

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

48.5864, 0.2848, 0.3343

Protanopia

48.4330, 0.3161, 0.3290

Deuteranopia

48.1881, 0.3195, 0.3130



Tritanopia

48.3511, 0.2755, 0.3079

Trichromacy



Original Color

48.5864, 0.2848, 0.3343

Protanomaly

48.1998, 0.3036, 0.3303

Deuteranomaly

47.9877, 0.3057, 0.3200

Tritanomaly

48.4003, 0.2788, 0.3169

Monochromacy



Original Color

48.5864, 0.2848, 0.3343

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.8165, 0.3019, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5864, 0.2848, 0.3343 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(153, 193, 189)` looks like.

```
.text, #text, p{  
    color:rgb(153, 193, 189)  
}
```

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(153, 193, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 193, 189) }
```

Border

The CSS property to change the border of an element to Yxy 48.5864, 0.2848, 0.3343 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(153, 193, 189) }
```

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

```
.border{ border-color:rgb(153, 193, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 193, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 193, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 193, 189);  
box-shadow:4px 4px 4px 4px rgb(153, 193,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5864, 0.2848, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 193, 189) }
```

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

```
.background{ background-color: rgb(153,  
193, 189) }
```

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