

Converting Colors

$Yxy(48.0429, 0.2867, 0.3427)$

Have a look what the booklet for
Yxy(48.0429, 0.2867, 0.3427)
contains.

Yxy(48.0429, 0.2867, 0.3427)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.0429, 0.2867, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	96C1B7
RGB	150, 193, 183
RGB Percent	59%, 76%, 72%
CMY	0.4118, 0.2431, 0.2824
CMYK	0.22, 0.00, 0.05, 0.24
HSL	166°, 26%, 67%
HSV	166°, 22%, 76%
XYZ	40.1923, 48.0429, 51.9542
YIQ	179.0030, -22.4180, -12.2260

Conversions

Conversions Part 2

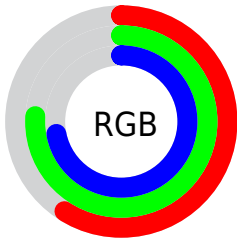
Format	Color
R_YB	150, 174, 193
Decimal	9879991
CIE _{Lab}	74.85, -16.31, 0.36
CIE _{LCh}	75, 16.313, 178.748
Yxy	48.0429, 0.2867, 0.3427
Android (android.graphics.Color)	4288070071 (0xFF96C1B7)
YUV	179.0030, 1.9705, -25.4356
Hunter-Lab	69.3130, -17.7915, 4.0777

Details

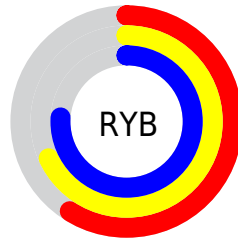
The Yxy color $48.0429, 0.2867, 0.3427$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $35.6836, 0.3473, 0.3158$, and the grayscale version is $45.0785, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.5823, 0.2914, 0.3406$, and $22.6736, 0.2794, 0.3461$ is the 20% darker color. If you saturate the color by 10%, you get $46.1784, 0.2762, 0.3498$, and if you desaturate by 10%, it is $50.2189, 0.2980, 0.3362$.

Distribution



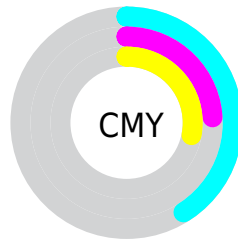
- Red (59%)
- Green (76%)
- Blue (72%)



- Red (59%)
- Yellow (68%)
- Blue (76%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)





- Cyan (41%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0429, 0.2867, 0.3427 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 48.0429, 0.2867, 0.3427 by changing the saturation by 10% instead.

 48.0429, 0.2867,
0.3427


 48.0429, 0.2867,
0.3427


378.9621, 0.2996,
0.3359

 33.8609, 0.2835,
0.3444


 87.2683, 0.2914,
0.3402

 22.7867, 0.2794,
0.3466


 113.0804, 0.2931,
0.3393

 14.4361, 0.2739,
0.3494


143.5380, 0.2946,
0.3385

 8.4246, 0.2664,
0.3534

179.0255, 0.2959,
0.3378

 4.3678, 0.2552,
0.3594

219.9273, 0.2970,
0.3373

 1.8814, 0.2370,
0.3691

266.6277, 0.2980,

 0.5371, 0.0929,

0.3367

0.4441

319.5112, 0.2989,
0.3363

0.0000, 0.0000,
0.0000

48.0429, 0.2867,
0.3427

48.0429, 0.2867,
0.3427

46.1784, 0.2762,
0.3498

50.2189, 0.2980,
0.3362

44.6047, 0.2669,
0.3573

52.7142, 0.3099,
0.3303

43.3076, 0.2590,
0.3653

55.5437, 0.3222,
0.3249

42.2696, 0.2528,
0.3736

58.7198, 0.3345,
0.3202

41.4710, 0.2484,
0.3821

62.2540, 0.3468,
0.3160

■ 40.8891, 0.2460,
0.3907

■ 64.0535, 0.3501,
0.3117

■ 40.4972, 0.2455,
0.3993

■ 64.2803, 0.3465,
0.3072

■ 40.2853, 0.2461,
0.4058

■ 64.5135, 0.3429,
0.3027

■ 64.7531, 0.3393,
0.2982

Harmonies

Analogous

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



48.0429, 0.3073, 0.3605



48.0429, 0.2867, 0.3427



48.0429, 0.2733, 0.3215

Triad

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



48.0429, 0.2867, 0.3427



48.0429, 0.2946, 0.2921



48.0429, 0.3573, 0.3525

Complementary

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



48.0429, 0.2867, 0.3427



35.6836, 0.3473, 0.3158

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.



48.0429, 0.3538, 0.3343



48.0429, 0.2867, 0.3427



48.0429, 0.3170, 0.3002

Square

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



48.0429, 0.2867, 0.3427



48.0429, 0.2777, 0.2930



48.0429, 0.3388, 0.3154



48.0429, 0.3483, 0.3655

Rectangle

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



48.0429, 0.2867, 0.3427



48.0429, 0.2699, 0.3087



48.0429, 0.3388, 0.3154



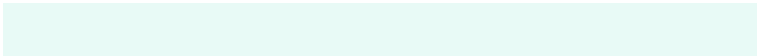
48.0429, 0.3575, 0.3468

Sweetspot

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



48.0449, 0.2867, 0.3427



92.1765, 0.3041, 0.3331



47.8209, 0.3179, 0.3891



19.7170, 0.3034, 0.3334



97.7402, 0.3127, 0.3290



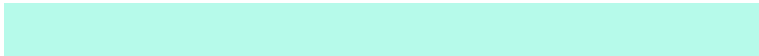
20.4902, 0.3127, 0.3290

Same Dimension

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



48.0449, 0.2867, 0.3427



84.2586, 0.2812, 0.3463



43.5987, 0.2789, 0.3131



11.3871, 0.3015, 0.3344



26.8047, 0.2458, 0.4047



1.1682, 0.2405, 0.3857

Inverse Universe

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



35.6836, 0.3473, 0.3158



58.0194, 0.3578, 0.3126



39.1896, 0.3543, 0.3444



10.1154, 0.3253, 0.3237



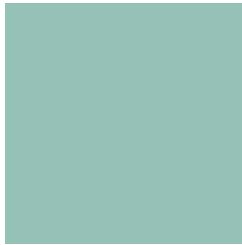
7.6766, 0.5959, 0.3056



0.3427, 0.5313, 0.2701

Previews

White Background



This preview shows how the Yxy color 48.0429, 0.2867, 0.3427 looks on a white background.

Color Contrast Check

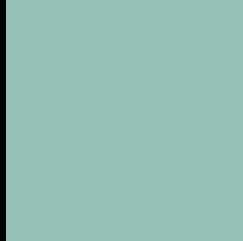
Large Text (above 18pt) WCAG AA × Fail

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 48.0429, 0.2867, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

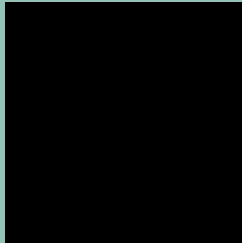
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

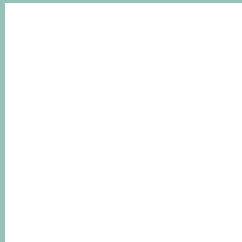
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0429, 0.2867, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 48.0429, 0.2867, 0.3427.



This preview shows how white text looks on a background with the Yxy color 48.0429, 0.2867, 0.3427.

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

48.0429, 0.2867, 0.3427

Protanopia

47.7327, 0.3218, 0.3367

Deuteranopia

47.6653, 0.3254, 0.3191



Tritanopia

48.1047, 0.2747, 0.3091

Trichromacy



Original Color

48.0429, 0.2867, 0.3427

Protanomaly

47.7940, 0.3081, 0.3396

Deuteranomaly

47.3148, 0.3103, 0.3264

Tritanomaly

48.0651, 0.2793, 0.3208

Monochromacy



Original Color

48.0429, 0.2867, 0.3427

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.9011, 0.3025, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0429, 0.2867, 0.3427 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(150, 193, 183)` looks like.

```
.text, #text, p{  
    color:rgb(150, 193, 183)  
}
```

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(150, 193, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 193, 183) }
```

Border

The CSS property to change the border of an element to Yxy 48.0429, 0.2867, 0.3427 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(150, 193, 183) }
```

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

```
.border{ border-color:rgb(150, 193, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 193, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 193, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 193, 183);  
box-shadow:4px 4px 4px 4px rgb(150, 193,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0429, 0.2867, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 193, 183) }
```

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

```
.background{ background-color: rgb(150,  
193, 183) }
```

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