

Converting Colors

$Y_{xy}(40.8900, 0.2945, 0.3834)$

Have a look what the booklet for
Yxy(40.8900, 0.2945, 0.3834)
contains.

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Color

Yxy(41.0862, 0.2950, 0.3843)

Conversions

Conversions Part 1

Format	Color
Hex	81B894
RGB	129, 184, 148
RGB Percent	51%, 72%, 58%
CMY	0.4941, 0.2784, 0.4196
CMYK	0.30, 0.00, 0.20, 0.28
HSL	141°, 28%, 61%
HSV	141°, 30%, 72%
XYZ	31.5390, 41.0862, 34.2866
YIQ	163.4510, -21.2240, -22.8560

Conversions

Conversions Part 2

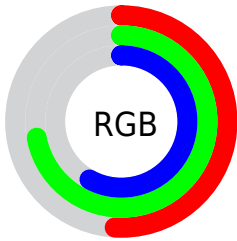
Format	Color
RYB	129, 170, 184
Decimal	8501396
CIELab	70.24, -25.55, 12.62
CIELCh	70, 28.496, 153.721
Yxy	41.0862, 0.2950, 0.3843
Android (android.graphics.Color)	4286691476 (0xFF81B894)
YUV	163.4510, -7.6173, -30.2135
Hunter-Lab	64.0985, -24.3434, 13.1545

Details

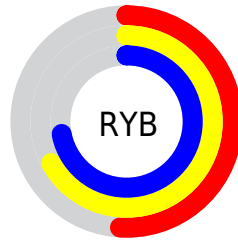
The Yxy color **41.0862, 0.2950, 0.3843** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.6076, 0.3363, 0.2796**, and the grayscale version is **36.8952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6517, 0.2986, 0.3731**, and **18.7154, 0.2895, 0.4038** is the 20% darker color. If you saturate the color by 10%, you get **39.4126, 0.2898, 0.4067**, and if you desaturate by 10%, it is **43.0623, 0.3007, 0.3638**.

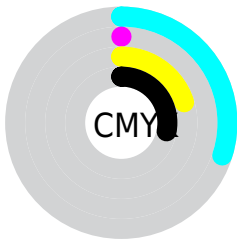
Distribution



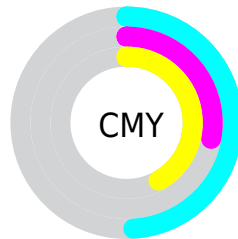
- Red (51%)
- Green (72%)
- Blue (58%)



- Red (51%)
- Yellow (67%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (20%)
- Black (28%)





- Cyan (49%)
- Magenta (28%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0862, 0.2950, 0.3843 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 41.0862, 0.2950, 0.3843 by changing the saturation by 10% instead.


 41.0862, 0.2950,
0.3843

 41.0862, 0.2950,
0.3843


350.6808, 0.3045,
0.3551

 28.3864, 0.2924,
0.3922


 76.8147, 0.2986,
0.3733

 18.6172, 0.2888,
0.4026


 100.6123, 0.3000,
0.3692

 11.3940, 0.2839,
0.4172


 128.8779, 0.3010,
0.3659

 6.3325, 0.2763,
0.4388

161.9960, 0.3020,
0.3631

 3.0483, 0.2636,
0.4740

200.3509, 0.3028,
0.3606

 1.1570, 0.2310,
0.5897

244.3271, 0.3034,

 0.0262, 0.0000,

0.3585

1.0000

294.3089, 0.3040,
0.3567

0.0000, 0.0000,
0.0000

41.0862, 0.2950,
0.3843

41.0862, 0.2950,
0.3843

39.4126, 0.2898,
0.4067

43.0623, 0.3007,
0.3638

38.0213, 0.2855,
0.4307

45.3500, 0.3067,
0.3453

36.8976, 0.2824,
0.4557

47.9639, 0.3128,
0.3288

36.0230, 0.2807,
0.4809


50.9165, 0.3188,
0.3143

35.3770, 0.2808,
0.5053


54.2196, 0.3247,
0.3016

 34.9354, 0.2825,
0.5279

 57.8843, 0.3303,
0.2904

 34.6507, 0.2855,
0.5478

 61.3860, 0.3334,
0.2804

 34.6480, 0.2856,
0.5480

 62.0952, 0.3240,
0.2691

 62.7626, 0.3160,
0.2595

Harmonies

Analogous

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



41.0862, 0.3362, 0.4031



41.0862, 0.2950, 0.3843



41.0862, 0.2601, 0.3474

Triad

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



41.0862, 0.2950, 0.3843



41.0862, 0.2535, 0.2628



41.0862, 0.3917, 0.3423

Complementary

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



41.0862, 0.2950, 0.3843



28.6076, 0.3363, 0.2796

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.



41.0862, 0.3666, 0.3092



41.0862, 0.2950, 0.3843



41.0862, 0.2854, 0.2650

Square

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



41.0862, 0.2950, 0.3843



41.0862, 0.2374, 0.2771



41.0862, 0.3268, 0.2817



41.0862, 0.3936, 0.3747

Rectangle

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



41.0862, 0.2950, 0.3843



41.0862, 0.2445, 0.3200



41.0862, 0.3268, 0.2817



41.0862, 0.3856, 0.3310

Sweetspot

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



41.0879, 0.2950, 0.3843



82.5367, 0.3071, 0.3440



43.9388, 0.3403, 0.4068



17.6546, 0.3063, 0.3465



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.



41.0879, 0.2950, 0.3843



72.3840, 0.2915, 0.3991



42.0383, 0.2763, 0.3425



10.1100, 0.3070, 0.3443



23.8902, 0.2849, 0.5457



0.8541, 0.2695, 0.4903

Inverse Universe

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



28.6076, 0.3363, 0.2796



46.0364, 0.3433, 0.2682



27.7308, 0.3673, 0.3162



9.1086, 0.3189, 0.3141



7.9785, 0.4304, 0.2144



0.2924, 0.3955, 0.1952

Previews

White Background



This preview shows how the Yxy color 41.0862, 0.2950, 0.3843 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 41.0862, 0.2950, 0.3843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

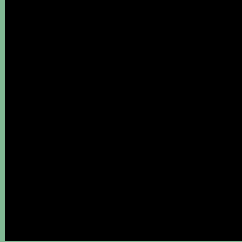
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0862, 0.2950, 0.3843

Background



This preview shows how black text looks on a background with the Yxy color 41.0862, 0.2950, 0.3843.

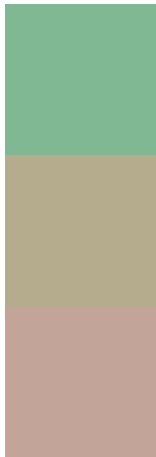


This preview shows how white text looks on a background with the Yxy color 41.0862, 0.2950, 0.3843.

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

41.0862, 0.2950, 0.3843

Protanopia

40.8727, 0.3482, 0.3703

Deuteranopia

40.6466, 0.3524, 0.3463



Tritanopia

41.0498, 0.2703, 0.3090

Trichromacy



Original Color

41.0862, 0.2950, 0.3843

Protanomaly

40.7457, 0.3266, 0.3752

Deuteranomaly

40.2855, 0.3287, 0.3587

Tritanomaly

40.9280, 0.2793, 0.3348

Monochromacy



Original Color

41.0862, 0.2950, 0.3843

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.1738, 0.3056, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0862, 0.2950, 0.3843 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(129, 184, 148)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 148)  
}
```

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(129, 184, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 148) }
```

Border

The CSS property to change the border of an element to Yxy 41.0862, 0.2950, 0.3843 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(129, 184, 148) }
```

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

```
.border{ border-color:rgb(129, 184, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 184, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 148);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0862, 0.2950, 0.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 148) }
```

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

```
.background{ background-color: rgb(129,  
184, 148) }
```

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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