

Converting Colors

$Yxy(48.4406, 0.2448, 0.3836)$

Have a look what the booklet for
Yxy(48.4406, 0.2448, 0.3836)
contains.

Yxy(48.5825, 0.2451, 0.3846)	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(48.5825, 0.2451, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	2AD0AC
RGB	42, 208, 172
RGB Percent	16%, 82%, 67%
CMY	0.8348, 0.1843, 0.3255
CMYK	0.80, 0.00, 0.17, 0.18
HSL	167°, 66%, 49%
HSV	167°, 80%, 82%
XYZ	30.9609, 48.5825, 46.7761
YIQ	154.2620, -87.3800, -46.3880

Conversions

Conversions Part 2

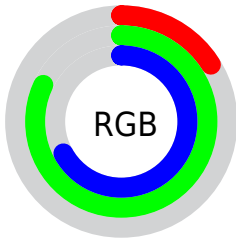
Format	Color
RYB	42, 135, 208
Decimal	2805932
CIELab	75.19, -49.03, 6.32
CIELCh	75, 49.440, 172.661
Yxy	48.5825, 0.2451, 0.3846
Android (android.graphics.Color)	4280996012 (0xFF2AD0AC)
YUV	154.2620, 8.7448, -98.4538
Hunter-Lab	69.7011, -42.6881, 9.0015

Details

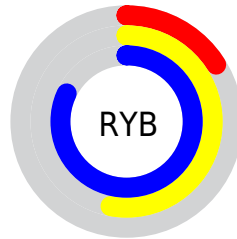
The Yxy color **48.5825, 0.2451, 0.3846** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.6267, 0.5365, 0.2970**, and the grayscale version is **32.4430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7791, 0.2550, 0.3624**, and **24.1385, 0.2440, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **48.0819, 0.2441, 0.3926**, and if you desaturate by 10%, it is **49.3203, 0.2481, 0.3766**.

Distribution



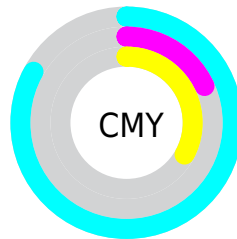
- Red (16%)
- Green (82%)
- Blue (67%)



- Red (16%)
- Yellow (53%)
- Blue (82%)



- Cyan (80%)
- Magenta (0%)
- Yellow (17%)
- Black (18%)





- Cyan (83%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5825, 0.2451, 0.3846 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 48.5825, 0.2451, 0.3846 by changing the saturation by 10% instead.


 48.5825, 0.2451,
0.3846


 48.5825, 0.2451,
0.3846


381.0964, 0.2788,
0.3563


 34.2884, 0.2368,
0.3918


 88.0711, 0.2573,
0.3742


 23.1153, 0.2261,
0.4011

 114.0343, 0.2619,
0.3703

 14.6786, 0.2121,
0.4136

 144.6561, 0.2658,
0.3671

 8.5942, 0.1929,
0.4313

 180.3208, 0.2691,
0.3643

 4.4774, 0.1650,
0.4579

 221.4127, 0.2720,
0.3619

 1.9441, 0.1056,
0.5115

268.3164, 0.2746,

 0.5747, 0.0000,

0.3598

0.7573

321.4162, 0.2768,
0.3579

■ 0.0000, 0.0000,
0.0000

■ 48.5825, 0.2451,
0.3846

■ 48.5825, 0.2451,
0.3846

■ 48.0819, 0.2441,
0.3926

■ 49.3203, 0.2481,
0.3766

■ 47.7576, 0.2446,
0.4005

■ 50.3206, 0.2530,
0.3687

■ 47.7500, 0.2446,
0.4007


■ 51.6114, 0.2598,
0.3610

■ 53.2158, 0.2682,
0.3537

■ 55.1544, 0.2781,
0.3467

 57.4460, 0.2890,
0.3402

 60.1082, 0.3007,
0.3343

 63.1571, 0.3130,
0.3289

 66.6081, 0.3256,
0.3240

Harmonies

Analogous

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



48.5825, 0.3052, 0.4405



48.5825, 0.2451, 0.3846



48.5825, 0.2057, 0.3134

Triad

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



48.5825, 0.2451, 0.3846



48.5825, 0.2471, 0.2255



48.5825, 0.4481, 0.3782

Complementary

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



48.5825, 0.2451, 0.3846



15.6267, 0.5365, 0.2970

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.



48.5825, 0.4317, 0.3268



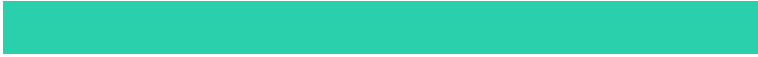
48.5825, 0.2451, 0.3846



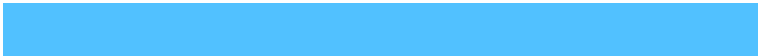
48.5825, 0.3083, 0.2437

Square

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



48.5825, 0.2451, 0.3846



48.5825, 0.2075, 0.2292



48.5825, 0.3780, 0.2795



48.5825, 0.4239, 0.4252

Rectangle

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



48.5825, 0.2451, 0.3846



48.5825, 0.1944, 0.2737



48.5825, 0.3780, 0.2795



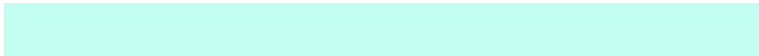
48.5825, 0.4474, 0.3610

Sweetspot

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



48.5844, 0.2451, 0.3846



89.3568, 0.2839, 0.3431



47.0208, 0.3165, 0.5647



18.8517, 0.2800, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.5844, 0.2451, 0.3846



75.8442, 0.2444, 0.3984



31.5165, 0.2105, 0.2594



13.3613, 0.3012, 0.3341



29.7760, 0.2443, 0.3996



1.6761, 0.2403, 0.3850

Inverse Universe

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



15.6267, 0.5365, 0.2970



21.8439, 0.5965, 0.3084



20.2913, 0.5453, 0.3714



11.8496, 0.3257, 0.3240



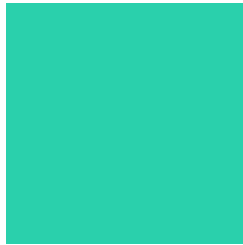
8.4884, 0.6013, 0.3086



0.4867, 0.5490, 0.2798

Previews

White Background



This preview shows how the Yxy color 48.5825, 0.2451, 0.3846 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 48.5825, 0.2451, 0.3846 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

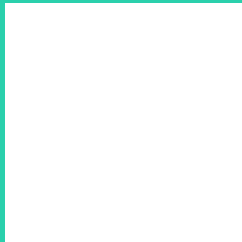
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5825, 0.2451, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 48.5825, 0.2451, 0.3846.

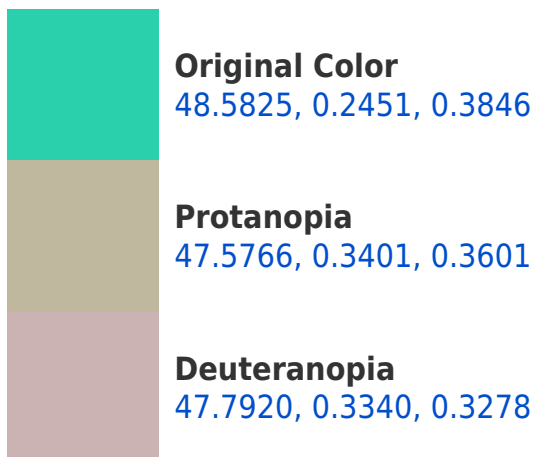


This preview shows how white text looks on a background with the Yxy color 48.5825, 0.2451, 0.3846.

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





Tritanopia

48.6807, 0.2293, 0.3063

Trichromacy



Original Color

48.5825, 0.2451, 0.3846



Protanomaly

45.7829, 0.2909, 0.3696



Deuteranomaly

45.5495, 0.2876, 0.3473



Tritanomaly

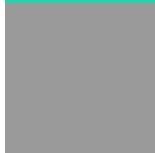
48.3949, 0.2345, 0.3332

Monochromacy



Original Color

48.5825, 0.2451, 0.3846



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.3560, 0.2729, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5825, 0.2451, 0.3846 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(42, 208, 172)` looks like.

```
.text, #text, p{  
    color:rgb(42, 208, 172)  
}
```

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(42, 208, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 208, 172) }
```

Border

The CSS property to change the border of an element to Yxy 48.5825, 0.2451, 0.3846 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(42, 208, 172) }
```

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

```
.border{ border-color:rgb(42, 208, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 208, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 208, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 208, 172);  
box-shadow:4px 4px 4px 4px rgb(42, 208,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5825, 0.2451, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 208, 172) }
```

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

```
.background{ background-color: rgb(42, 208,  
172) }
```

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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