

Converting Colors

$Y_{xy}(49.8489, 0.2645, 0.4169)$

Have a look what the booklet for
Yxy(49.8489, 0.2645, 0.4169)
contains.

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Color

Yxy(49.8489, 0.2645, 0.4169)

Conversions

Conversions Part 1

Format	Color
Hex	4AD299
RGB	74, 210, 153
RGB Percent	29%, 82%, 60%
CMY	0.7094, 0.1765, 0.4000
CMYK	0.65, 0.00, 0.27, 0.18
HSL	155°, 60%, 56%
HSV	155°, 65%, 82%
XYZ	31.6264, 49.8489, 38.0951
YIQ	162.8380, -62.7590, -46.5590

Conversions

Conversions Part 2

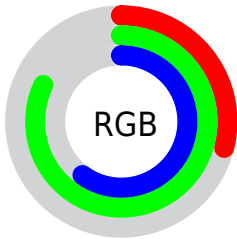
Format	Color
RYB	74, 160, 210
Decimal	4903577
CIELab	75.98, -49.97, 17.65
CIELCh	76, 52.999, 160.546
Yxy	49.8489, 0.2645, 0.4169
Android (android.graphics.Color)	4283093657 (0xFF4AD299)
YUV	162.8380, -4.8501, -77.9109
Hunter-Lab	70.6038, -43.5990, 17.4320

Details

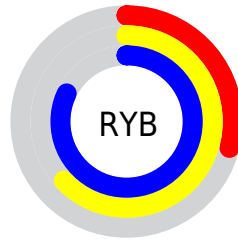
The Yxy color **49.8489, 0.2645, 0.4169** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.2529, 0.4300, 0.2628**, and the grayscale version is **36.6045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2592, 0.2721, 0.3867**, and **24.0705, 0.2560, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **48.8703, 0.2622, 0.4333**, and if you desaturate by 10%, it is **51.1312, 0.2687, 0.4008**.

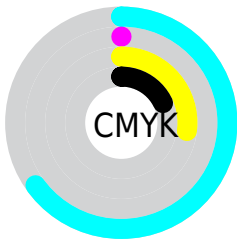
Distribution



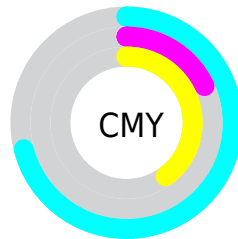
- Red (29%)
- Green (82%)
- Blue (60%)



- Red (29%)
- Yellow (63%)
- Blue (82%)



- Cyan (65%)
- Magenta (0%)
- Yellow (27%)
- Black (18%)





- Cyan (71%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8489, 0.2645, 0.4169 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 49.8489, 0.2645, 0.4169 by changing the saturation by 10% instead.


 49.8489, 0.2645,
0.4169

 49.8489, 0.2645,
0.4169


386.0748, 0.2894,
0.3710


 35.2934, 0.2580,
0.4290


 89.9510, 0.2737,
0.3998

 23.8889, 0.2496,
0.4448


 116.2663, 0.2772,
0.3935

 15.2513, 0.2382,
0.4664


 147.2703, 0.2800,
0.3882

 8.9959, 0.2218,
0.4976

 183.3474, 0.2825,
0.3837

 4.7385, 0.1968,
0.5461

224.8820, 0.2846,
0.3799

 2.0947, 0.1420,
0.6450

272.2585, 0.2864,

 0.6616, 0.0000,

0.3765

1.0000

325.8613, 0.2880,
0.3736

■ 0.0000, 0.0000,
0.0000

■ 49.8489, 0.2645,
0.4169

■ 49.8489, 0.2645,
0.4169

■ 48.8703, 0.2622,
0.4333

■ 51.1312, 0.2687,
0.4008

■ 48.1601, 0.2619,
0.4497

■ 52.7365, 0.2746,
0.3854

■ 47.6844, 0.2636,
0.4657

■ 54.6895, 0.2818,
0.3708

■ 47.4944, 0.2650,
0.4740

■ 57.0108, 0.2900,
0.3573

■ 59.7192, 0.2989,
0.3450

■ 62.8323, 0.3082,
0.3338

■ 66.3665, 0.3178,
0.3239

■ 70.3375, 0.3273,
0.3150

■ 73.1920, 0.3306,
0.3068

Harmonies

Analogous

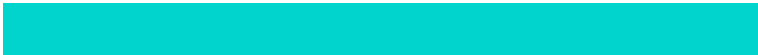
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.8489, 0.3326, 0.4596



49.8489, 0.2645, 0.4169



49.8489, 0.2130, 0.3420

Triad

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



49.8489, 0.2645, 0.4169



49.8489, 0.2234, 0.2186



49.8489, 0.4550, 0.3581

Complementary

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



49.8489, 0.2645, 0.4169



20.2529, 0.4300, 0.2628

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.



49.8489, 0.4200, 0.3051



49.8489, 0.2645, 0.4169



49.8489, 0.2794, 0.2290

Square

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



49.8489, 0.2645, 0.4169



49.8489, 0.1926, 0.2322



49.8489, 0.3524, 0.2596



49.8489, 0.4452, 0.4110

Rectangle

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



49.8489, 0.2645, 0.4169



49.8489, 0.1936, 0.2940



49.8489, 0.3524, 0.2596



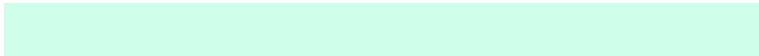
49.8489, 0.4482, 0.3400

Sweetspot

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



49.8509, 0.2645, 0.4169



90.7005, 0.2948, 0.3504



51.5722, 0.3389, 0.5147



19.1571, 0.2923, 0.3540



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.



49.8509, 0.2645, 0.4169



75.3266, 0.2618, 0.4402



47.8560, 0.2332, 0.3158



13.3197, 0.3038, 0.3389



28.9928, 0.2644, 0.4717



1.6367, 0.2563, 0.4426

Inverse Universe

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



20.2529, 0.4300, 0.2628



25.9770, 0.4713, 0.2585



20.4076, 0.5142, 0.3394



11.8893, 0.3226, 0.3193



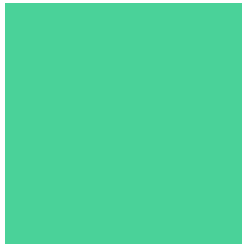
8.8073, 0.5282, 0.2684



0.5081, 0.4811, 0.2424

Previews

White Background



This preview shows how the Yxy color 49.8489, 0.2645, 0.4169 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 49.8489, 0.2645, 0.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

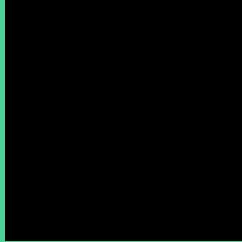
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8489, 0.2645, 0.4169

Background



This preview shows how black text looks on a background with the Yxy color 49.8489, 0.2645, 0.4169.

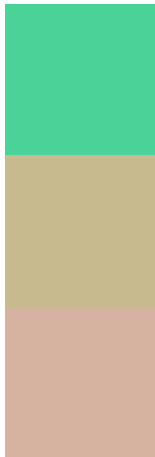


This preview shows how white text looks on a background with the Yxy color 49.8489, 0.2645, 0.4169.

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

49.8489, 0.2645, 0.4169

Protanopia

49.2129, 0.3597, 0.3849

Deuteranopia

48.9244, 0.3593, 0.3522



Tritanopia

49.8997, 0.2387, 0.3068

Trichromacy



Original Color

49.8489, 0.2645, 0.4169



Protanomaly

47.9756, 0.3157, 0.3983



Deuteranomaly

46.9426, 0.3146, 0.3749



Tritanomaly

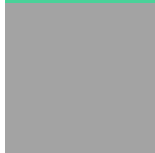
49.6815, 0.2476, 0.3447

Monochromacy



Original Color

49.8489, 0.2645, 0.4169



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.9710, 0.2884, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8489, 0.2645, 0.4169 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(74, 210, 153)` looks like.

```
.text, #text, p{  
    color:rgb(74, 210, 153)  
}
```

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(74, 210, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 210, 153) }
```

Border

The CSS property to change the border of an element to Yxy 49.8489, 0.2645, 0.4169 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(74, 210, 153) }
```

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

```
.border{ border-color:rgb(74, 210, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 210, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 210, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 210, 153);  
box-shadow:4px 4px 4px 4px rgb(74, 210,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8489, 0.2645, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 210, 153) }
```

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

```
.background{ background-color: rgb(74, 210,  
153) }
```

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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