

Converting Colors

$Yxy(46.4849, 0.2420, 0.3899)$

Have a look what the booklet for
Yxy(46.4849, 0.2420, 0.3899)
contains.

Yxy(46.4849, 0.2419, 0.3894)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.4849, 0.2419, 0.3894)

Conversions

Conversions Part 1

Format	Color
Hex	06CDA7
RGB	6, 205, 167
RGB Percent	2%, 80%, 65%
CMY	0.9771, 0.1961, 0.3451
CMYK	0.97, 0.00, 0.19, 0.20
HSL	169°, 94%, 41%
HSV	169°, 97%, 80%
XYZ	28.8770, 46.4849, 44.0138
YIQ	141.1670, -106.4060, -54.0060

Conversions

Conversions Part 2

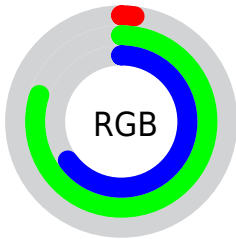
Format	Color
RYB	6, 116, 205
Decimal	445863
CIELab	73.86, -51.19, 7.05
CIELCh	74, 51.676, 172.158
Yxy	46.4849, 0.2419, 0.3894
Android (android.graphics.Color)	4278635943 (0xFF06CDA7)
YUV	141.1670, 12.7357, -118.5415
Hunter-Lab	68.1798, -43.7126, 9.4509

Details

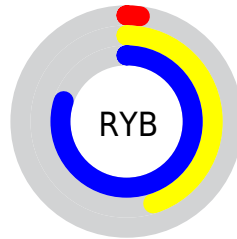
The Yxy color **46.4849, 0.2419, 0.3894** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.2849, 0.6038, 0.3122**, and the grayscale version is **26.6621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7370, 0.2530, 0.3691**, and **23.0505, 0.2457, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **46.4082, 0.2420, 0.3914**, and if you desaturate by 10%, it is **46.8198, 0.2419, 0.3825**.

Distribution



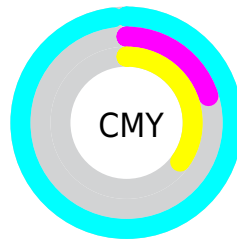
- Red (2%)
- Green (80%)
- Blue (65%)



- Red (2%)
- Yellow (45%)
- Blue (80%)



- Cyan (97%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (98%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4849, 0.2419, 0.3894 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 46.4849, 0.2419, 0.3894 by changing the saturation by 10% instead.

 46.4849, 0.2419,
0.3894


 46.4849, 0.2419,
0.3894

372.7547, 0.2775,
0.3583

 32.6286, 0.2330,
0.3974


 84.9442, 0.2548,
0.3779

 21.8421, 0.2216,
0.4078

 110.3161, 0.2597,
0.3737


 13.7409, 0.2065,
0.4219


 140.2953, 0.2638,
0.3701

 7.9407, 0.1857,
0.4420

 175.2661, 0.2673,
0.3671

 4.0570, 0.1554,
0.4726

 215.6131, 0.2704,
0.3644

 1.7055, 0.0671,
0.5488

261.7206, 0.2730,

 0.4272, 0.0000,

0.3621

1.0000

313.9730, 0.2754,
0.3601

■ 0.0000, 0.0000,
0.0000

■ 46.4849, 0.2419,
0.3894

■ 46.4849, 0.2419,
0.3894

■ 46.4082, 0.2420,
0.3914

■ 46.8198, 0.2419,
0.3825

■ 47.3473, 0.2437,
0.3756

■ 48.1076, 0.2474,
0.3687

■ 49.1290, 0.2530,
0.3619

■ 50.4360, 0.2605,
0.3553

■ 52.0500, 0.2695,
0.3490

■ 53.9905, 0.2799,
0.3430

■ 56.2751, 0.2914,
0.3374

■ 58.9205, 0.3036,
0.3324

Harmonies

Analogous

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



46.4849, 0.3054, 0.4487



46.4849, 0.2419, 0.3894



46.4849, 0.2004, 0.3131

Triad

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



46.4849, 0.2419, 0.3894



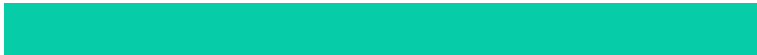
46.4849, 0.2424, 0.2201



46.4849, 0.4561, 0.3790

Complementary

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



46.4849, 0.2419, 0.3894



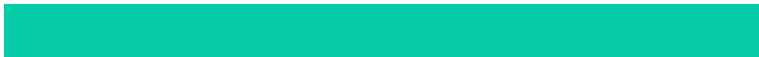
13.2849, 0.6038, 0.3122

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.



46.4849, 0.4383, 0.3251



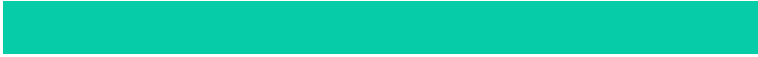
46.4849, 0.2419, 0.3894



46.4849, 0.3066, 0.2388

Square

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



46.4849, 0.2419, 0.3894



46.4849, 0.2015, 0.2240



46.4849, 0.3806, 0.2760



46.4849, 0.4306, 0.4292

Rectangle

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



46.4849, 0.2419, 0.3894



46.4849, 0.1884, 0.2709



46.4849, 0.3806, 0.2760



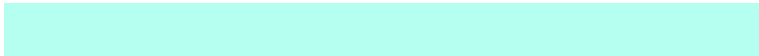
46.4849, 0.4553, 0.3610

Sweetspot

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



46.4867, 0.2419, 0.3894



87.6945, 0.2775, 0.3443



44.2444, 0.3075, 0.5922



18.4732, 0.2730, 0.3468



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.



46.4867, 0.2419, 0.3894



75.9943, 0.2423, 0.3922



24.7699, 0.1978, 0.2306



12.6889, 0.3008, 0.3335



28.9068, 0.2418, 0.3904



1.5010, 0.2380, 0.3770

Inverse Universe

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



13.2849, 0.6038, 0.3122



21.4786, 0.6138, 0.3155



16.8379, 0.5904, 0.3664



11.2481, 0.3261, 0.3246



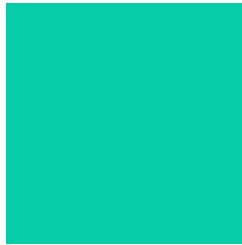
8.1822, 0.6082, 0.3124



0.4328, 0.5547, 0.2830

Previews

White Background



This preview shows how the Yxy color 46.4849, 0.2419, 0.3894 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 46.4849, 0.2419, 0.3894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

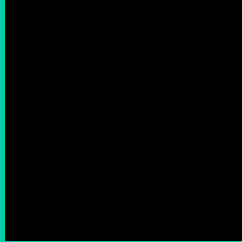
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

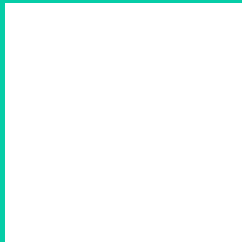
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4849, 0.2419, 0.3894

Background



This preview shows how black text looks on a background with the Yxy color 46.4849, 0.2419, 0.3894.



This preview shows how white text looks on a background with the Yxy color 46.4849, 0.2419, 0.3894.

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

46.4914, 0.2419, 0.3894

Protanopia

45.7944, 0.3422, 0.3632

Deuteranopia

45.6075, 0.3362, 0.3291



Tritanopia

46.2866, 0.2261, 0.3044

Trichromacy



Original Color

46.4914, 0.2419, 0.3894



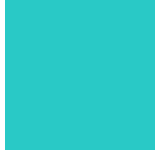
Protanomaly

43.0360, 0.2827, 0.3745



Deuteranomaly

42.3053, 0.2790, 0.3497



Tritanomaly

46.3219, 0.2302, 0.3333

Monochromacy



Original Color

46.4914, 0.2419, 0.3894



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.0282, 0.2640, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4849, 0.2419, 0.3894 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(6, 205, 167)` looks like.

```
.text, #text, p{  
    color:rgb(6, 205, 167)  
}
```

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(6, 205, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 205, 167) }
```

Border

The CSS property to change the border of an element to Yxy 46.4849, 0.2419, 0.3894 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(6, 205, 167) }
```

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

```
.border{ border-color:rgb(6, 205, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 205, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 205, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 205, 167);  
box-shadow:4px 4px 4px 4px rgb(6, 205,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4849, 0.2419, 0.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 205, 167) }
```

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

```
.background{ background-color: rgb(6, 205,  
167) }
```

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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