

Converting Colors

$Y_{xy}(49.7400, 0.2405, 0.3806)$

Have a look what the booklet for
Yxy(49.7400, 0.2405, 0.3806)
contains.

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Color

Yxy(49.9116, 0.2406, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	14D3B1
RGB	20, 211, 177
RGB Percent	8%, 83%, 69%
CMY	0.9215, 0.1725, 0.3059
CMYK	0.91, 0.00, 0.16, 0.17
HSL	169°, 83%, 45%
HSV	169°, 91%, 83%
XYZ	31.5190, 49.9116, 49.5710
YIQ	150.0150, -102.9220, -51.0660

Conversions

Conversions Part 2

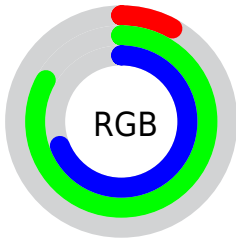
Format	Color
RYB	20, 125, 211
Decimal	1364913
CIELab	76.01, -50.53, 4.79
CIELCh	76, 50.759, 174.586
Yxy	49.9116, 0.2406, 0.3810
Android (android.graphics.Color)	4279554993 (0xFF14D3B1)
YUV	150.0150, 13.3036, -114.0232
Hunter-Lab	70.6481, -43.9982, 7.8523

Details

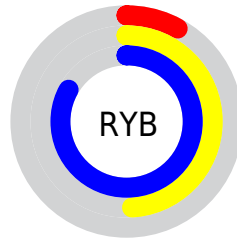
The Yxy color **49.9116, 0.2406, 0.3810** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.6165, 0.5880, 0.3094**, and the grayscale version is **30.4838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6544, 0.2500, 0.3552**, and **24.9234, 0.2419, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **49.6244, 0.2408, 0.3870**, and if you desaturate by 10%, it is **50.3903, 0.2418, 0.3746**.

Distribution



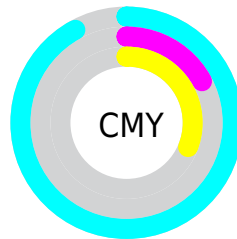
- Red (8%)
- Green (83%)
- Blue (69%)



- Red (8%)
- Yellow (49%)
- Blue (83%)



- Cyan (91%)
- Magenta (0%)
- Yellow (16%)
- Black (17%)





- Cyan (92%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9116, 0.2406, 0.3810 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 49.9116, 0.2406, 0.3810 by changing the saturation by 10% instead.


 49.9116, 0.2406,
0.3810


 49.9116, 0.2406,
0.3810


386.3201, 0.2762,
0.3548


 35.3432, 0.2319,
0.3876


 90.0439, 0.2534,
0.3715


 23.9273, 0.2209,
0.3960


 116.3765, 0.2583,
0.3679


 15.2797, 0.2064,
0.4072


 147.3994, 0.2624,
0.3649

 9.0159, 0.1868,
0.4228

 183.4968, 0.2659,
0.3623

 4.7516, 0.1588,
0.4458

 225.0532, 0.2690,
0.3601

 2.1023, 0.1051,
0.4892

272.4529, 0.2717,

 0.6659, 0.0000,

0.3581

0.6305

326.0804, 0.2741,
0.3564

■ 0.0000, 0.0000,
0.0000

■ 49.9116, 0.2406,
0.3810

■ 49.9116, 0.2406,
0.3810

■ 49.6244, 0.2408,
0.3870

■ 50.3903, 0.2418,
0.3746

■ 51.1036, 0.2449,
0.3682

■ 52.0861, 0.2500,
0.3618

■ 53.3651, 0.2570,
0.3556

■ 54.9646, 0.2656,
0.3496

■ 56.9063, 0.2757,
0.3439

■ 59.2097, 0.2870,
0.3386

■ 61.8929, 0.2992,
0.3337

■ 64.9729, 0.3120,
0.3292

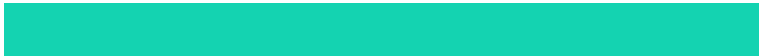
Harmonies

Analogous

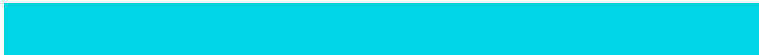
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.9116, 0.3007, 0.4402



49.9116, 0.2406, 0.3810



49.9116, 0.2024, 0.3087

Triad

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



49.9116, 0.2406, 0.3810



49.9116, 0.2494, 0.2246



49.9116, 0.4500, 0.3820

Complementary

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



49.9116, 0.2406, 0.3810



14.6165, 0.5880, 0.3094

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.



49.9116, 0.4362, 0.3298



49.9116, 0.2406, 0.3810



49.9116, 0.3127, 0.2443

Square

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



49.9116, 0.2406, 0.3810



49.9116, 0.2077, 0.2266



49.9116, 0.3834, 0.2815



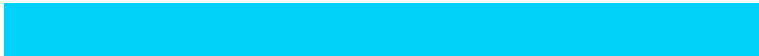
49.9116, 0.4229, 0.4292

Rectangle

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



49.9116, 0.2406, 0.3810



49.9116, 0.1922, 0.2693



49.9116, 0.3834, 0.2815



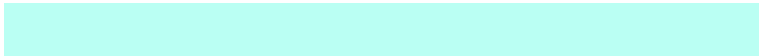
49.9116, 0.4503, 0.3646

Sweetspot

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



49.9135, 0.2406, 0.3810



88.4336, 0.2793, 0.3421



47.4536, 0.3088, 0.5862



18.6819, 0.2755, 0.3440



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.



49.9135, 0.2406, 0.3810



76.1538, 0.2410, 0.3877



26.8321, 0.1995, 0.2324



13.3695, 0.3006, 0.3332



29.9611, 0.2406, 0.3861



1.6849, 0.2373, 0.3744

Inverse Universe

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



14.6165, 0.5880, 0.3094



21.4525, 0.6168, 0.3172



19.7097, 0.5695, 0.3754



11.8421, 0.3263, 0.3249



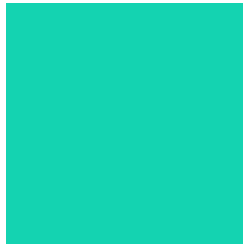
8.4513, 0.6117, 0.3143



0.4832, 0.5628, 0.2874

Previews

White Background



This preview shows how the Yxy color 49.9116, 0.2406, 0.3810 looks on a white background.

Color Contrast Check

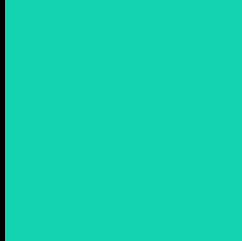
Large Text (above 18pt) WCAG AA × Fail

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 49.9116, 0.2406, 0.3810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

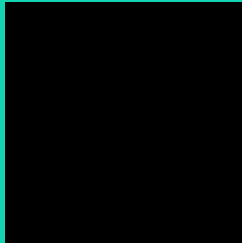
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

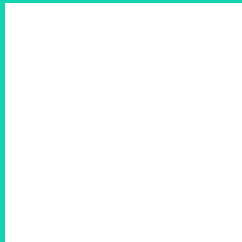
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9116, 0.2406, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 49.9116, 0.2406, 0.3810.

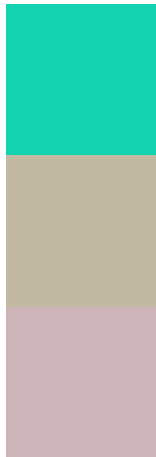


This preview shows how white text looks on a background with the Yxy color 49.9116, 0.2406, 0.3810.

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

49.9116, 0.2406, 0.3810

Protanopia

48.8116, 0.3381, 0.3572

Deuteranopia

48.9406, 0.3303, 0.3242



Tritanopia

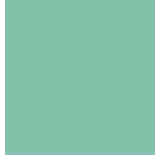
49.9399, 0.2266, 0.3064

Trichromacy



Original Color

49.9116, 0.2406, 0.3810



Protanomaly

46.2360, 0.2834, 0.3668



Deuteranomaly

45.9162, 0.2786, 0.3431



Tritanomaly

49.6378, 0.2305, 0.3317

Monochromacy



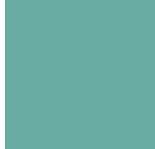
Original Color

49.9116, 0.2406, 0.3810



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.9267, 0.2664, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9116, 0.2406, 0.3810 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(20, 211, 177)` looks like.

```
.text, #text, p{  
    color:rgb(20, 211, 177)  
}
```

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(20, 211, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 211, 177) }
```

Border

The CSS property to change the border of an element to Yxy 49.9116, 0.2406, 0.3810 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(20, 211, 177) }
```

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

```
.border{ border-color:rgb(20, 211, 177) }
```

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

Here you see how a box with a 4 pixel rgb(20, 211, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 211, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 211, 177);  
box-shadow:4px 4px 4px 4px rgb(20, 211,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9116, 0.2406, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 211, 177) }
```

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

```
.background{ background-color: rgb(20, 211,  
177) }
```

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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