

Converting Colors

$Y_{xy}(47.8855, 0.2495, 0.4139)$

Have a look what the booklet for
Yxy(47.8855, 0.2495, 0.4139)
contains.

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Color

Yxy(48.0776, 0.2499, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	10D19B
RGB	16, 209, 155
RGB Percent	6%, 82%, 61%
CMY	0.9370, 0.1804, 0.3922
CMYK	0.92, 0.00, 0.26, 0.18
HSL	163°, 86%, 44%
HSV	163°, 92%, 82%
XYZ	28.9299, 48.0776, 38.7584
YIQ	145.1370, -97.6940, -57.7100

Conversions

Conversions Part 2

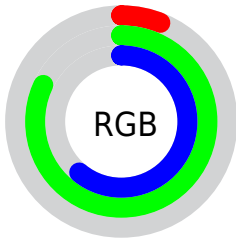
Format	Color
RYB	16, 128, 209
Decimal	1102235
CIELab	74.87, -55.36, 14.94
CIELCh	75, 57.342, 164.901
Yxy	48.0776, 0.2499, 0.4153
Android (android.graphics.Color)	4279292315 (0xFF10D19B)
YUV	145.1370, 4.8625, -113.2531
Hunter-Lab	69.3380, -46.8659, 15.3948

Details

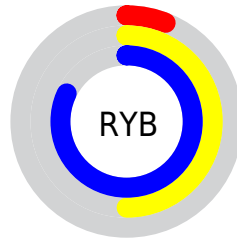
The Yxy color **48.0776, 0.2499, 0.4153** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.3712, 0.5621, 0.2928**, and the grayscale version is **28.3906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2373, 0.2589, 0.3846**, and **23.7819, 0.2543, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **47.8206, 0.2509, 0.4233**, and if you desaturate by 10%, it is **48.5627, 0.2499, 0.4048**.

Distribution



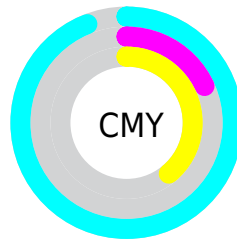
- Red (6%)
- Green (82%)
- Blue (61%)



- Red (6%)
- Yellow (50%)
- Blue (82%)



- Cyan (92%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)




- Cyan (94%)
- Magenta (18%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0776, 0.2499, 0.4153 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 48.0776, 0.2499, 0.4153 by changing the saturation by 10% instead.


 48.0776, 0.2499,
0.4153


 48.0776, 0.2499,
0.4153


379.0996, 0.2820,
0.3701


 33.8883, 0.2417,
0.4272


 87.3199, 0.2617,
0.3984


 22.8078, 0.2310,
0.4429


 113.1418, 0.2661,
0.3922


 14.4517, 0.2168,
0.4643


 143.6100, 0.2698,
0.3870

 8.4355, 0.1967,
0.4953

 179.1089, 0.2730,
0.3826

 4.3748, 0.1666,
0.5437

 220.0229, 0.2757,
0.3788

 1.8854, 0.0750,
0.6621

266.7365, 0.2781,

 0.5396, 0.0000,

0.3756

1.0000

319.6339, 0.2802,
0.3727

■ 0.0000, 0.0000,
0.0000

■ 48.0776, 0.2499,
0.4153

■ 48.0776, 0.2499,
0.4153

■ 47.8206, 0.2509,
0.4233

■ 48.5627, 0.2499,
0.4048

■ 49.2765, 0.2518,
0.3941

■ 50.2539, 0.2558,
0.3836

■ 51.5226, 0.2616,
0.3734

■ 53.1066, 0.2691,
0.3636

■ 55.0274, 0.2779,
0.3543

■ 57.3046, 0.2879,
0.3457

■ 59.9563, 0.2987,
0.3378

■ 62.9992, 0.3100,
0.3306

Harmonies

Analogous

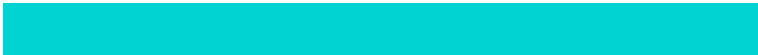
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0776, 0.3220, 0.4700



48.0776, 0.2499, 0.4153



48.0776, 0.1987, 0.3303

Triad

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



48.0776, 0.2499, 0.4153



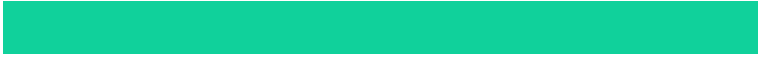
48.0776, 0.2230, 0.2100



48.0776, 0.4694, 0.3674

Complementary

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



48.0776, 0.2499, 0.4153



14.3712, 0.5621, 0.2928

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.



48.0776, 0.4386, 0.3103



48.0776, 0.2499, 0.4153



48.0776, 0.2868, 0.2247

Square

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



48.0776, 0.2499, 0.4153



48.0776, 0.1861, 0.2200



48.0776, 0.3676, 0.2601



48.0776, 0.4510, 0.4241

Rectangle

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



48.0776, 0.2499, 0.4153



48.0776, 0.1812, 0.2798



48.0776, 0.3676, 0.2601



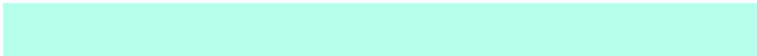
48.0776, 0.4648, 0.3480

Sweetspot

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



48.0795, 0.2499, 0.4153



87.6598, 0.2818, 0.3508



46.9695, 0.3158, 0.5823



18.4462, 0.2776, 0.3546



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.



48.0795, 0.2499, 0.4153



74.9644, 0.2513, 0.4245



32.4244, 0.2076, 0.2631



13.3483, 0.3020, 0.3356



29.5011, 0.2505, 0.4218



1.6627, 0.2452, 0.4026

Inverse Universe

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



14.3712, 0.5621, 0.2928



21.7200, 0.5880, 0.3013



16.6055, 0.5970, 0.3554



11.8619, 0.3247, 0.3225



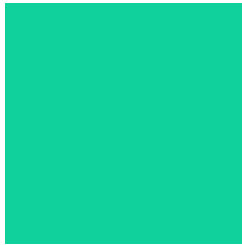
8.5640, 0.5815, 0.2977



0.4925, 0.5282, 0.2683

Previews

White Background



This preview shows how the Yxy color 48.0776, 0.2499, 0.4153 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 48.0776, 0.2499, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

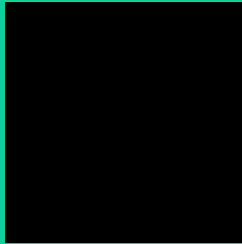
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0776, 0.2499, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 48.0776, 0.2499, 0.4153.



This preview shows how white text looks on a background with the Yxy color 48.0776, 0.2499, 0.4153.

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

48.0776, 0.2499, 0.4153

Protanopia

47.0110, 0.3573, 0.3808

Deuteranopia

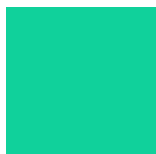
47.0692, 0.3537, 0.3464



Tritanopia

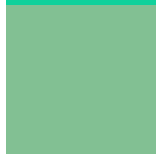
48.0483, 0.2285, 0.3062

Trichromacy



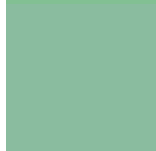
Original Color

48.0776, 0.2499, 0.4153



Protanomaly

44.5517, 0.2967, 0.3966



Deuteranomaly

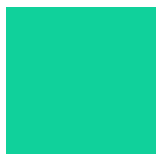
43.8729, 0.2942, 0.3717



Tritanomaly

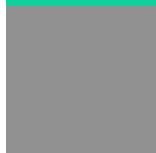
47.7589, 0.2350, 0.3437

Monochromacy



Original Color

48.0776, 0.2499, 0.4153



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.7719, 0.2697, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0776, 0.2499, 0.4153 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(16, 209, 155)` looks like.

```
.text, #text, p{  
    color:rgb(16, 209, 155)  
}
```

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(16, 209, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 209, 155) }
```

Border

The CSS property to change the border of an element to Yxy 48.0776, 0.2499, 0.4153 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(16, 209, 155) }
```

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

```
.border{ border-color:rgb(16, 209, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 209, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 209, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 209, 155);  
box-shadow:4px 4px 4px 4px rgb(16, 209,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0776, 0.2499, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 209, 155) }
```

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

```
.background{ background-color: rgb(16, 209,  
155) }
```

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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