

Converting Colors

$Y_{xy}(47.9004, 0.2425, 0.3888)$

Have a look what the booklet for
Yxy(47.9004, 0.2425, 0.3888)
contains.

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Color

Yxy(48.0865, 0.2428, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	10D0A9
RGB	16, 208, 169
RGB Percent	6%, 82%, 66%
CMY	0.9382, 0.1843, 0.3372
CMYK	0.92, 0.00, 0.19, 0.18
HSL	168°, 86%, 44%
HSV	168°, 92%, 82%
XYZ	29.9293, 48.0865, 45.2514
YIQ	146.1460, -101.9130, -52.8330

Conversions

Conversions Part 2

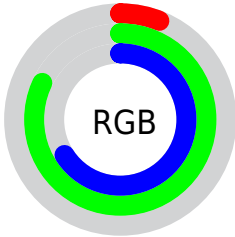
Format	Color
RYB	16, 123, 208
Decimal	1101993
CIELab	74.88, -51.56, 7.44
CIELCh	75, 52.091, 171.792
Yxy	48.0865, 0.2428, 0.3901
Android (android.graphics.Color)	4279292073 (0xFF10D0A9)
YUV	146.1460, 11.2670, -114.1380
Hunter-Lab	69.3444, -44.3116, 9.8509

Details

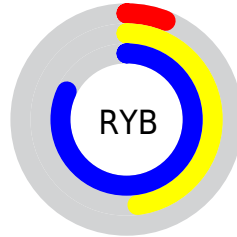
The Yxy color **48.0865, 0.2428, 0.3901** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.0473, 0.5869, 0.3067**, and the grayscale version is **28.7619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0276, 0.2532, 0.3665**, and **23.7408, 0.2454, 0.4035** is the 20% darker color. If you saturate the color by 10%, you get **47.8619, 0.2432, 0.3957**, and if you desaturate by 10%, it is **48.5265, 0.2435, 0.3827**.

Distribution



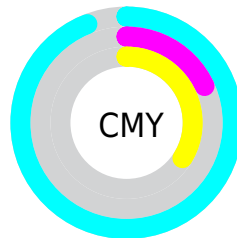
- Red (6%)
- Green (82%)
- Blue (66%)



- Red (6%)
- Yellow (48%)
- Blue (82%)



- Cyan (92%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)




- Cyan (94%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0865, 0.2428, 0.3901 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 48.0865, 0.2428, 0.3901 by changing the saturation by 10% instead.


 48.0865, 0.2428,
0.3901


 48.0865, 0.2428,
0.3901


379.1349, 0.2778,
0.3588

 33.8954, 0.2341,
0.3981


 87.3332, 0.2555,
0.3786


 22.8132, 0.2230,
0.4085


 113.1575, 0.2603,
0.3743

 14.4557, 0.2084,
0.4226


 143.6284, 0.2643,
0.3707

 8.4383, 0.1882,
0.4425

 179.1303, 0.2678,
0.3676

 4.3766, 0.1590,
0.4727

 220.0475, 0.2708,
0.3650

 1.8864, 0.0877,
0.5388

266.7643, 0.2734,

 0.5402, 0.0000,

0.3627

0.8878

319.6654, 0.2757,
0.3606

■ 0.0000, 0.0000,
0.0000

■ 48.0865, 0.2428,
0.3901

■ 48.0865, 0.2428,
0.3901

■ 47.8619, 0.2432,
0.3957

■ 48.5265, 0.2435,
0.3827

■ 49.1878, 0.2460,
0.3753

■ 50.1051, 0.2506,
0.3679

■ 51.3056, 0.2570,
0.3607

■ 52.8130, 0.2651,
0.3538

■ 54.6485, 0.2747,
0.3472

■ 56.8314, 0.2856,
0.3411

■ 59.3795, 0.2973,
0.3354

■ 62.3093, 0.3096,
0.3302

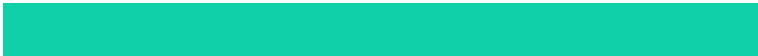
Harmonies

Analogous

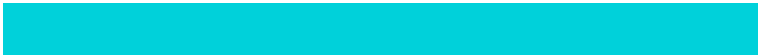
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0865, 0.3063, 0.4488



48.0865, 0.2428, 0.3901



48.0865, 0.2010, 0.3141

Triad

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



48.0865, 0.2428, 0.3901



48.0865, 0.2420, 0.2203



48.0865, 0.4557, 0.3782

Complementary

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



48.0865, 0.2428, 0.3901



14.0473, 0.5869, 0.3067

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.



48.0865, 0.4374, 0.3245



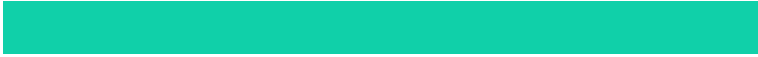
48.0865, 0.2428, 0.3901



48.0865, 0.3057, 0.2387

Square

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



48.0865, 0.2428, 0.3901



48.0865, 0.2015, 0.2245



48.0865, 0.3796, 0.2756



48.0865, 0.4308, 0.4284

Rectangle

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



48.0865, 0.2428, 0.3901



48.0865, 0.1888, 0.2718



48.0865, 0.3796, 0.2756



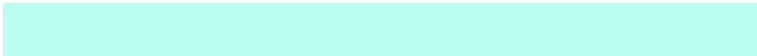
48.0865, 0.4547, 0.3603

Sweetspot

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



48.0884, 0.2428, 0.3901



87.9834, 0.2790, 0.3446



46.0334, 0.3104, 0.5866



18.5249, 0.2745, 0.3474



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.



48.0884, 0.2428, 0.3901



75.8459, 0.2435, 0.3965



27.6199, 0.2015, 0.2412



13.3643, 0.3010, 0.3338



29.8423, 0.2430, 0.3946



1.6793, 0.2392, 0.3811

Inverse Universe

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



14.0473, 0.5869, 0.3067



21.5053, 0.6108, 0.3139



17.8557, 0.5825, 0.3674



11.8469, 0.3259, 0.3243



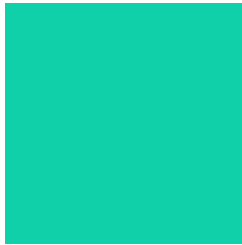
8.4740, 0.6053, 0.3108



0.4854, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 48.0865, 0.2428, 0.3901 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 48.0865, 0.2428, 0.3901 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

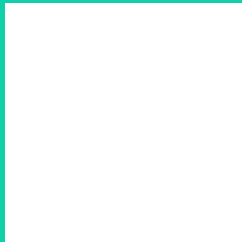
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0865, 0.2428, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 48.0865, 0.2428, 0.3901.

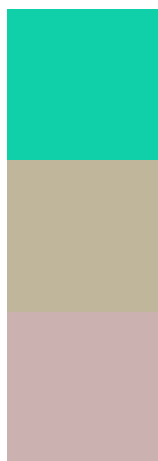


This preview shows how white text looks on a background with the Yxy color 48.0865, 0.2428, 0.3901.

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

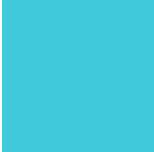
48.0865, 0.2428, 0.3901

Protanopia

47.0627, 0.3428, 0.3628

Deuteranopia

47.2754, 0.3367, 0.3303



Tritanopia

47.8920, 0.2264, 0.3047

Trichromacy



Original Color

48.0865, 0.2428, 0.3901



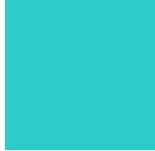
Protanomaly

44.4240, 0.2857, 0.3736



Deuteranomaly

44.1345, 0.2823, 0.3507



Tritanomaly

47.9367, 0.2314, 0.3347

Monochromacy



Original Color

48.0865, 0.2428, 0.3901



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.3617, 0.2671, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0865, 0.2428, 0.3901 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, 208, 169)` looks like.

```
.text, #text, p{  
    color:rgb(16, 208, 169)  
}
```

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, 208, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 208, 169) }
```

Border

The CSS property to change the border of an element to Yxy 48.0865, 0.2428, 0.3901 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, 208, 169) }
```

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

```
.border{ border-color:rgb(16, 208, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 208, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 208, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 208, 169);  
box-shadow:4px 4px 4px 4px rgb(16, 208,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0865, 0.2428, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 208, 169) }
```

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

```
.background{ background-color: rgb(16, 208,  
169) }
```

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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