

Converting Colors

$Yxy(48.9732, 0.2499, 0.3974)$

Have a look what the booklet for
Yxy(48.9732, 0.2499, 0.3974)
contains.

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Color

Yxy(48.9219, 0.2499, 0.3974)

Conversions

Conversions Part 1

Format	Color
Hex	2FD1A5
RGB	47, 209, 165
RGB Percent	18%, 82%, 65%
CMY	0.8157, 0.1804, 0.3529
CMYK	0.78, 0.00, 0.21, 0.18
HSL	164°, 64%, 50%
HSV	164°, 78%, 82%
XYZ	30.7639, 48.9219, 43.4191
YIQ	155.5460, -82.4280, -48.0280

Conversions

Conversions Part 2

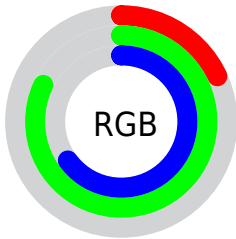
Format	Color
RYB	47, 141, 209
Decimal	3133861
CIELab	75.40, -50.68, 10.38
CIELCh	75, 51.732, 168.424
Yxy	48.9219, 0.2499, 0.3974
Android (android.graphics.Color)	4281323941 (0xFF2FD1A5)
YUV	155.5460, 4.6608, -95.1948
Hunter-Lab	69.9442, -43.8917, 12.1556

Details

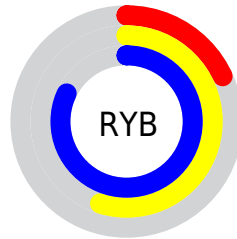
The Yxy color **48.9219, 0.2499, 0.3974** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.3438, 0.5118, 0.2865**, and the grayscale version is **33.0396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6092, 0.2591, 0.3711**, and **23.9747, 0.2485, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **48.3383, 0.2489, 0.4076**, and if you desaturate by 10%, it is **49.7561, 0.2529, 0.3872**.

Distribution



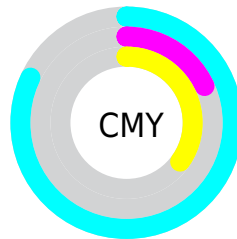
- Red (18%)
- Green (82%)
- Blue (65%)



- Red (18%)
- Yellow (55%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (21%)
- Black (18%)





- Cyan (82%)
- Magenta (18%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9219, 0.2499, 0.3974 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 48.9219, 0.2499, 0.3974 by changing the saturation by 10% instead.


 48.9219, 0.2499,
0.3974


 48.9219, 0.2499,
0.3974


382.4348, 0.2815,
0.3621


 34.5575, 0.2420,
0.4065


 88.5754, 0.2614,
0.3843


 23.3222, 0.2318,
0.4184


 114.6334, 0.2657,
0.3795

 14.8316, 0.2183,
0.4345


 145.3580, 0.2694,
0.3755

 8.7013, 0.1995,
0.4576

 181.1337, 0.2725,
0.3720

 4.5469, 0.1720,
0.4930

 222.3448, 0.2752,
0.3690

 1.9839, 0.1093,
0.5655

269.3758, 0.2776,

 0.5981, 0.0000,

0.3664

1.0000

322.6110, 0.2797,
0.3642

■ 0.0000, 0.0000,
0.0000

■ 48.9219, 0.2499,
0.3974

■ 48.9219, 0.2499,
0.3974

■ 48.3383, 0.2489,
0.4076

■ 49.7561, 0.2529,
0.3872

■ 47.9578, 0.2498,
0.4178

■ 50.8653, 0.2578,
0.3771

■ 47.8777, 0.2501,
0.4203

■ 52.2772, 0.2645,
0.3674

■ 54.0143, 0.2728,
0.3581

■ 56.0973, 0.2823,
0.3494

■ 58.5450, 0.2928,
0.3414

■ 61.3747, 0.3040,
0.3341

■ 64.6027, 0.3156,
0.3274

■ 68.2445, 0.3274,
0.3215

Harmonies

Analogous

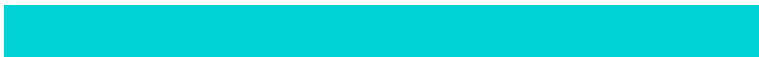
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9219, 0.3142, 0.4509



48.9219, 0.2499, 0.3974



48.9219, 0.2056, 0.3224

Triad

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



48.9219, 0.2499, 0.3974



48.9219, 0.2371, 0.2208



48.9219, 0.4542, 0.3719

Complementary

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



48.9219, 0.2499, 0.3974



16.3438, 0.5118, 0.2865

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.



48.9219, 0.4311, 0.3189



48.9219, 0.2499, 0.3974



48.9219, 0.2979, 0.2367

Square

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



48.9219, 0.2499, 0.3974



48.9219, 0.1998, 0.2278



48.9219, 0.3708, 0.2714



48.9219, 0.4340, 0.4224

Rectangle

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



48.9219, 0.2499, 0.3974



48.9219, 0.1913, 0.2788



48.9219, 0.3708, 0.2714



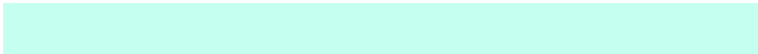
48.9219, 0.4515, 0.3541

Sweetspot

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



48.9238, 0.2499, 0.3974



89.5389, 0.2867, 0.3459



48.1299, 0.3217, 0.5567



18.8766, 0.2829, 0.3489



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.



48.9238, 0.2499, 0.3974



75.3907, 0.2493, 0.4143



35.4421, 0.2156, 0.2749



13.3500, 0.3019, 0.3354



29.5360, 0.2497, 0.4188



1.6644, 0.2445, 0.4002

Inverse Universe

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



16.3438, 0.5118, 0.2865



22.3009, 0.5704, 0.2959



19.8103, 0.5466, 0.3629



11.8602, 0.3248, 0.3227



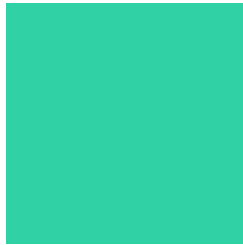
8.5528, 0.5844, 0.2993



0.4917, 0.5309, 0.2698

Previews

White Background



This preview shows how the Yxy color 48.9219, 0.2499, 0.3974 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 48.9219, 0.2499, 0.3974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

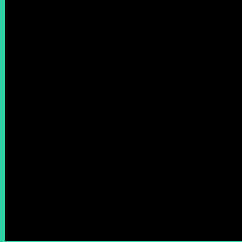
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

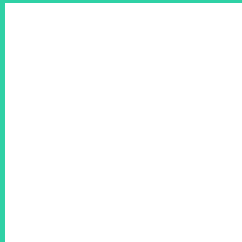
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9219, 0.2499, 0.3974

Background



This preview shows how black text looks on a background with the Yxy color 48.9219, 0.2499, 0.3974.

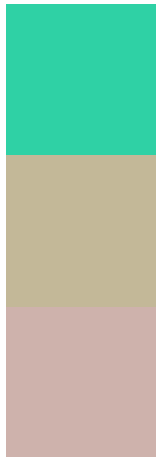


This preview shows how white text looks on a background with the Yxy color 48.9219, 0.2499, 0.3974.

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

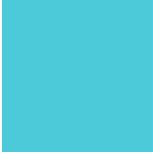
48.9219, 0.2499, 0.3974

Protanopia

48.1501, 0.3484, 0.3702

Deuteranopia

47.9412, 0.3427, 0.3365



Tritanopia

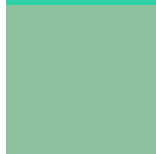
48.8808, 0.2309, 0.3064

Trichromacy



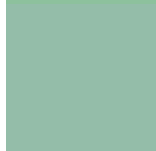
Original Color

48.9219, 0.2499, 0.3974



Protanomaly

46.2370, 0.2980, 0.3812



Deuteranomaly

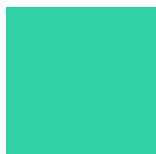
45.5557, 0.2947, 0.3574



Tritanomaly

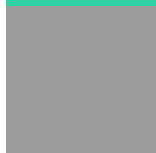
48.9444, 0.2372, 0.3376

Monochromacy



Original Color

48.9219, 0.2499, 0.3974



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.8762, 0.2767, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9219, 0.2499, 0.3974 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(47, 209, 165)` looks like.

```
.text, #text, p{  
    color:rgb(47, 209, 165)  
}
```

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(47, 209, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 209, 165) }
```

Border

The CSS property to change the border of an element to Yxy 48.9219, 0.2499, 0.3974 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(47, 209, 165) }
```

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

```
.border{ border-color:rgb(47, 209, 165) }
```

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

Here you see how a box with a 4 pixel rgb(47, 209, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 209, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 209, 165);  
box-shadow:4px 4px 4px 4px rgb(47, 209,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9219, 0.2499, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 209, 165) }
```

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

```
.background{ background-color: rgb(47, 209,  
165) }
```

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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