

Converting Colors

$Y_{xy}(48.7412, 0.2413, 0.3706)$

Have a look what the booklet for
Yxy(48.7412, 0.2413, 0.3706)
contains.

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Color

Yxy(48.9425, 0.2417, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	2CD0B4
RGB	44, 208, 180
RGB Percent	17%, 82%, 71%
CMY	0.8270, 0.1843, 0.2942
CMYK	0.79, 0.00, 0.13, 0.18
HSL	170°, 65%, 49%
HSV	170°, 79%, 82%
XYZ	31.8337, 48.9425, 50.9313
YIQ	155.7720, -88.7560, -43.4760

Conversions

Conversions Part 2

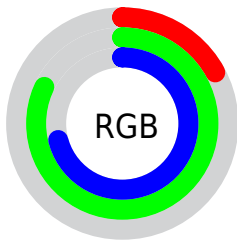
Format	Color
RYB	44, 134, 208
Decimal	2937012
CIELab	75.42, -46.80, 2.36
CIElCh	75, 46.860, 177.112
Yxy	48.9425, 0.2417, 0.3716
Android (android.graphics.Color)	4281127092 (0xFF2CD0B4)
YUV	155.7720, 11.9444, -98.0240
Hunter-Lab	69.9589, -41.2045, 5.8071

Details

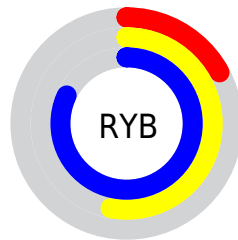
The Yxy color **48.9425, 0.2417, 0.3716** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.6905, 0.5456, 0.3047**, and the grayscale version is **33.1298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4277, 0.2518, 0.3513**, and **24.3148, 0.2397, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **48.4490, 0.2401, 0.3777**, and if you desaturate by 10%, it is **49.6742, 0.2452, 0.3655**.

Distribution



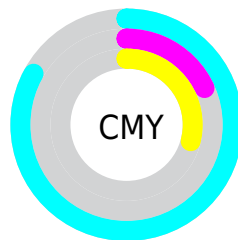
- Red (17%)
- Green (82%)
- Blue (71%)



- Red (17%)
- Yellow (53%)
- Blue (82%)



- Cyan (79%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)




- Cyan (83%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9425, 0.2417, 0.3716 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 48.9425, 0.2417, 0.3716 by changing the saturation by 10% instead.


 48.9425, 0.2417,
0.3716


 48.9425, 0.2417,
0.3716


382.5159, 0.2767,
0.3504

 34.5739, 0.2332,
0.3769


 88.6060, 0.2543,
0.3639


 23.3348, 0.2223,
0.3836


 114.6698, 0.2591,
0.3610


 14.8409, 0.2081,
0.3925


 145.4006, 0.2631,
0.3586

 8.7078, 0.1888,
0.4047

 181.1830, 0.2666,
0.3565

 4.5511, 0.1614,
0.4226

 222.4013, 0.2696,
0.3546

 1.9864, 0.1100,
0.4558

269.4400, 0.2723,

 0.5995, 0.0000,

0.3530

0.5514

322.6834, 0.2746,
0.3516

■ 0.0000, 0.0000,
0.0000

■ 48.9425, 0.2417,
0.3716

■ 48.9425, 0.2417,
0.3716

■ 48.4490, 0.2401,
0.3777

■ 49.6742, 0.2452,
0.3655

■ 48.1399, 0.2401,
0.3838

■ 50.6690, 0.2507,
0.3594

■ 48.1069, 0.2402,
0.3846

■ 51.9544, 0.2580,
0.3534

■ 53.5531, 0.2670,
0.3478

■ 55.4857, 0.2774,
0.3424

■ 57.7707, 0.2889,
0.3373

■ 60.4255, 0.3013,
0.3327

■ 63.4662, 0.3143,
0.3285

■ 66.9080, 0.3276,
0.3247

Harmonies

Analogous

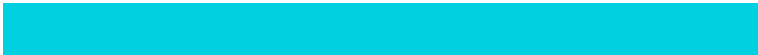
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9425, 0.2968, 0.4282



48.9425, 0.2417, 0.3716



48.9425, 0.2076, 0.3055

Triad

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



48.9425, 0.2417, 0.3716



48.9425, 0.2580, 0.2317



48.9425, 0.4399, 0.3836

Complementary

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



48.9425, 0.2417, 0.3716



15.6905, 0.5456, 0.3047

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.



48.9425, 0.4301, 0.3346



48.9425, 0.2417, 0.3716



48.9425, 0.3185, 0.2519

Square

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



48.9425, 0.2417, 0.3716



48.9425, 0.2166, 0.2321



48.9425, 0.3836, 0.2882



48.9425, 0.4125, 0.4262

Rectangle

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



48.9425, 0.2417, 0.3716



48.9425, 0.1992, 0.2699



48.9425, 0.3836, 0.2882



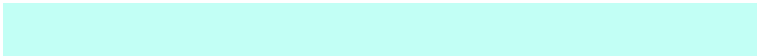
48.9425, 0.4411, 0.3675

Sweetspot

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



48.9444, 0.2417, 0.3716



89.5269, 0.2825, 0.3401



46.7575, 0.3127, 0.5656



18.8931, 0.2784, 0.3419



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.



48.9444, 0.2417, 0.3716



76.4363, 0.2400, 0.3822



28.9049, 0.2076, 0.2466



13.3709, 0.3005, 0.3330



29.9952, 0.2399, 0.3837



1.6865, 0.2368, 0.3725

Inverse Universe

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



15.6905, 0.5456, 0.3047



21.8096, 0.6062, 0.3144



21.9618, 0.5319, 0.3811



11.8408, 0.3264, 0.3250



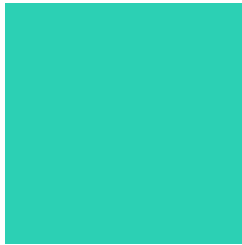
8.4455, 0.6133, 0.3152



0.4826, 0.5653, 0.2888

Previews

White Background



This preview shows how the Yxy color 48.9425, 0.2417, 0.3716 looks on a white background.

Color Contrast Check

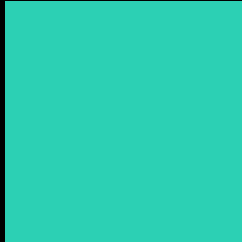
Large Text (above 18pt) WCAG AA × Fail

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 48.9425, 0.2417, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

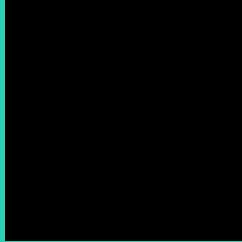
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

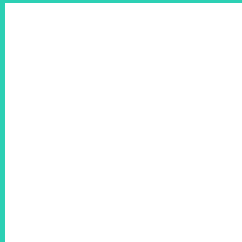
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9425, 0.2417, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 48.9425, 0.2417, 0.3716.

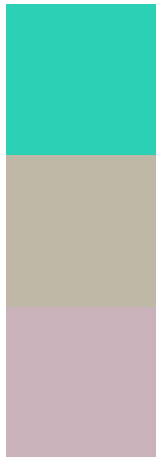


This preview shows how white text looks on a background with the Yxy color 48.9425, 0.2417, 0.3716.

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

48.9425, 0.2417, 0.3716

Protanopia

48.2775, 0.3333, 0.3509

Deuteranopia

47.8035, 0.3263, 0.3192



Tritanopia

48.6576, 0.2283, 0.3049

Trichromacy



Original Color

48.9425, 0.2417, 0.3716



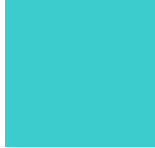
Protanomaly

46.5218, 0.2855, 0.3590



Deuteranomaly

45.7852, 0.2814, 0.3359



Tritanomaly

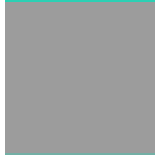
48.5856, 0.2327, 0.3273

Monochromacy



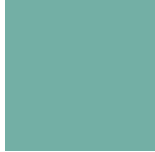
Original Color

48.9425, 0.2417, 0.3716



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.0214, 0.2718, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9425, 0.2417, 0.3716 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(44, 208, 180)` looks like.

```
.text, #text, p{  
    color:rgb(44, 208, 180)  
}
```

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(44, 208, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 208, 180) }
```

Border

The CSS property to change the border of an element to Yxy 48.9425, 0.2417, 0.3716 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(44, 208, 180) }
```

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

```
.border{ border-color:rgb(44, 208, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 208, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(44, 208, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(44, 208, 180); box-shadow:4px 4px 4px 4px rgb(44, 208, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9425, 0.2417, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 208, 180) }
```

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

```
.background{ background-color: rgb(44, 208,  
180) }
```

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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