

Converting Colors

$Y_{xy}(50.3796, 0.2490, 0.3988)$

Have a look what the booklet for
Yxy(50.3796, 0.2490, 0.3988)
contains.

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Color

Yxy(50.3692, 0.2489, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	2AD4A7
RGB	42, 212, 167
RGB Percent	16%, 83%, 65%
CMY	0.8348, 0.1686, 0.3451
CMYK	0.80, 0.00, 0.21, 0.17
HSL	164°, 67%, 50%
HSV	164°, 80%, 83%
XYZ	31.4760, 50.3692, 44.6152
YIQ	156.0400, -86.8750, -50.0350

Conversions

Conversions Part 2

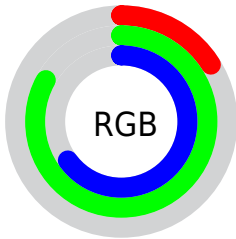
Format	Color
R_{YB}	42, 140, 212
Decimal	2806951
CIE _{Lab}	76.30, -51.90, 10.58
CIE _{LCh}	76, 52.966, 168.477
Yxy	50.3692, 0.2489, 0.3983
Android (android.graphics.Color)	4280997031 (0xFF2AD4A7)
YUV	156.0400, 5.4033, -100.0131
Hunter-Lab	70.9713, -45.0343, 12.4079

Details

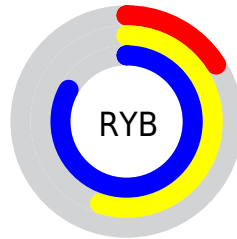
The Yxy color **50.3692, 0.2489, 0.3983** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.3527, 0.5240, 0.2884**, and the grayscale version is **33.2863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5758, 0.2575, 0.3687**, and **25.0147, 0.2487, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **49.8315, 0.2484, 0.4083**, and if you desaturate by 10%, it is **51.1562, 0.2514, 0.3883**.

Distribution



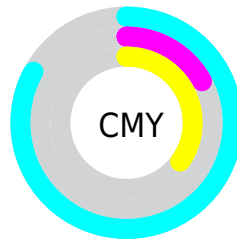
- Red (16%)
- Green (83%)
- Blue (65%)



- Red (16%)
- Yellow (55%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (21%)
- Black (17%)



- Cyan (83%)
- Magenta (17%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3692, 0.2489, 0.3983 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 50.3692, 0.2489, 0.3983 by changing the saturation by 10% instead.

 50.3692, 0.2489,
0.3983


 50.3692, 0.2489,
0.3983


388.1080, 0.2809,
0.3627

 35.7068, 0.2409,
0.4074


 90.7217, 0.2605,
0.3852


 24.2079, 0.2308,
0.4193


 117.1805, 0.2649,
0.3803


 15.4879, 0.2173,
0.4354


 148.3404, 0.2686,
0.3762

 9.1625, 0.1987,
0.4582

 184.5856, 0.2717,
0.3727

 4.8473, 0.1715,
0.4930

 226.3006, 0.2745,
0.3697

 2.1580, 0.1162,
0.5599

273.8697, 0.2769,

 0.6969, 0.0000,

0.3671

0.9733

327.6774, 0.2790,
0.3648

■ 0.0000, 0.0000,
0.0000

■ 50.3692, 0.2489,
0.3983

■ 50.3692, 0.2489,
0.3983

■ 49.8315, 0.2484,
0.4083

■ 51.1562, 0.2514,
0.3883

■ 49.4809, 0.2494,
0.4180

■ 52.2193, 0.2559,
0.3785

■ 53.5883, 0.2622,
0.3689

■ 55.2874, 0.2701,
0.3597

■ 57.3383, 0.2795,
0.3511

■ 59.7610, 0.2898,
0.3431

■ 62.5737, 0.3010,
0.3357

■ 65.7936, 0.3126,
0.3291

■ 69.4369, 0.3244,
0.3231

Harmonies

Analogous

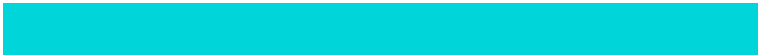
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3692, 0.3140, 0.4527



50.3692, 0.2489, 0.3983



50.3692, 0.2042, 0.3221

Triad

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



50.3692, 0.2489, 0.3983



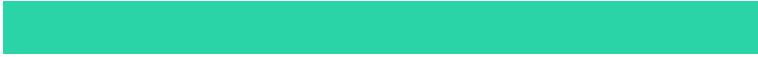
50.3692, 0.2362, 0.2195



50.3692, 0.4561, 0.3723

Complementary

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



50.3692, 0.2489, 0.3983



16.3527, 0.5240, 0.2884

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.



50.3692, 0.4328, 0.3188



50.3692, 0.2489, 0.3983



50.3692, 0.2978, 0.2356

Square

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



50.3692, 0.2489, 0.3983



50.3692, 0.1985, 0.2264



50.3692, 0.3717, 0.2707



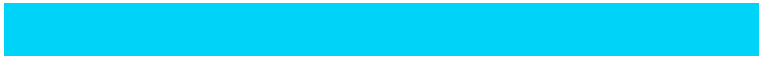
50.3692, 0.4355, 0.4235

Rectangle

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



50.3692, 0.2489, 0.3983



50.3692, 0.1899, 0.2779



50.3692, 0.3717, 0.2707



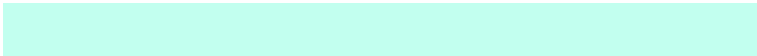
50.3692, 0.4534, 0.3543

Sweetspot

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



50.3712, 0.2489, 0.3983



89.1821, 0.2854, 0.3463



49.3017, 0.3193, 0.5636



18.8092, 0.2817, 0.3492



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.



50.3712, 0.2489, 0.3983



75.3093, 0.2491, 0.4150



34.8921, 0.2126, 0.2682



14.0491, 0.3017, 0.3353



30.5646, 0.2491, 0.4166



1.8569, 0.2443, 0.3995

Inverse Universe

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



16.3527, 0.5240, 0.2884



21.9904, 0.5816, 0.3001



20.1647, 0.5536, 0.3652



12.4743, 0.3250, 0.3228



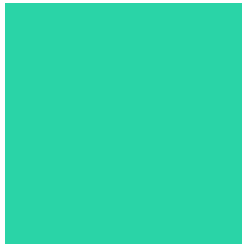
8.8327, 0.5868, 0.3006



0.5465, 0.5368, 0.2731

Previews

White Background



This preview shows how the Yxy color 50.3692, 0.2489, 0.3983 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 50.3692, 0.2489, 0.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

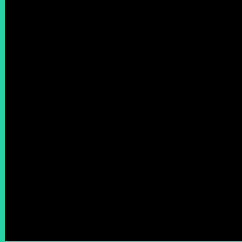
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

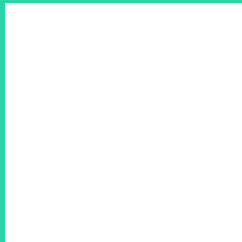
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3692, 0.2489, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 50.3692, 0.2489, 0.3983.

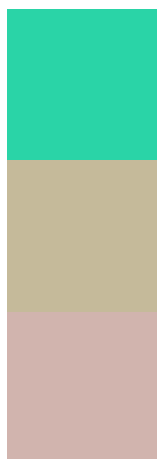


This preview shows how white text looks on a background with the Yxy color 50.3692, 0.2489, 0.3983.

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

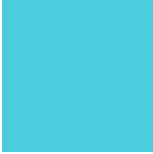
50.3692, 0.2489, 0.3983

Protanopia

49.3212, 0.3480, 0.3698

Deuteranopia

49.2538, 0.3432, 0.3364



Tritanopia

50.3790, 0.2300, 0.3066

Trichromacy



Original Color

50.3692, 0.2489, 0.3983



Protanomaly

47.1961, 0.2966, 0.3808



Deuteranomaly

46.9354, 0.2934, 0.3585



Tritanomaly

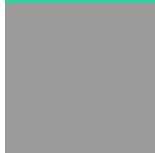
50.3856, 0.2364, 0.3389

Monochromacy



Original Color

50.3692, 0.2489, 0.3983



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.2336, 0.2754, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3692, 0.2489, 0.3983 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(42, 212, 167)` looks like.

```
.text, #text, p{  
    color:rgb(42, 212, 167)  
}
```

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(42, 212, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 212, 167) }
```

Border

The CSS property to change the border of an element to Yxy 50.3692, 0.2489, 0.3983 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(42, 212, 167) }
```

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

```
.border{ border-color:rgb(42, 212, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 212, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 212, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 212, 167);  
box-shadow:4px 4px 4px 4px rgb(42, 212,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3692, 0.2489, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 212, 167) }
```

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

```
.background{ background-color: rgb(42, 212,  
167) }
```

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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