

Converting Colors

$Yxy(47.3137, 0.2473, 0.3808)$

Have a look what the booklet for
Yxy(47.3137, 0.2473, 0.3808)
contains.

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Color

Yxy(47.4151, 0.2476, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	37CDAB
RGB	55, 205, 171
RGB Percent	22%, 80%, 67%
CMY	0.7842, 0.1961, 0.3295
CMYK	0.73, 0.00, 0.17, 0.20
HSL	166°, 60%, 51%
HSV	166°, 73%, 80%
XYZ	30.7571, 47.4151, 46.0487
YIQ	156.2740, -78.4860, -42.3740

Conversions

Conversions Part 2

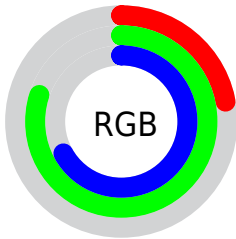
Format	Color
RYB	55, 140, 205
Decimal	3657131
CIELab	74.45, -46.62, 5.83
CIELCh	74, 46.981, 172.869
Yxy	47.4151, 0.2476, 0.3817
Android (android.graphics.Color)	4281847211 (0xFF37CDAB)
YUV	156.2740, 7.2599, -88.8173
Hunter-Lab	68.8586, -40.7720, 8.5513

Details

The Yxy color **47.4151, 0.2476, 0.3817** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.4375, 0.5069, 0.2939**, and the grayscale version is **33.3721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2219, 0.2580, 0.3635**, and **23.1446, 0.2431, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **46.7787, 0.2454, 0.3901**, and if you desaturate by 10%, it is **48.3017, 0.2518, 0.3734**.

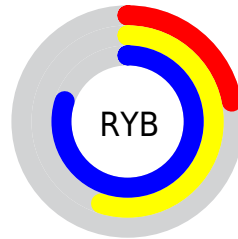
Distribution



Red (22%)

Green (80%)

Blue (67%)



Red (22%)

Yellow (55%)

Blue (80%)

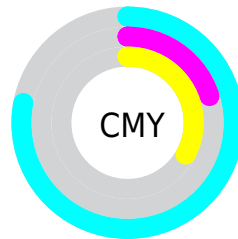


Cyan (73%)

Magenta (0%)

Yellow (17%)

Black (20%)



Cyan (78%)


Magenta (20%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4151, 0.2476, 0.3817 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 47.4151, 0.2476, 0.3817 by changing the saturation by 10% instead.


 47.4151, 0.2476,
0.3817


 47.4151, 0.2476,
0.3817


376.4690, 0.2802,
0.3548

 33.3639, 0.2395,
0.3886


 86.3329, 0.2594,
0.3718

 22.4054, 0.2291,
0.3975


 111.9683, 0.2639,
0.3681


 14.1551, 0.2154,
0.4095


 142.2340, 0.2676,
0.3650

 8.2286, 0.1965,
0.4264

 177.5142, 0.2708,
0.3624

 4.2416, 0.1690,
0.4521

 218.1934, 0.2736,
0.3601

 1.8096, 0.1071,
0.5060

264.6560, 0.2761,

 0.4931, 0.0000,

0.3581

0.7924

317.2864, 0.2782,
0.3564

0.0000, 0.0000,
0.0000

47.4151, 0.2476,
0.3817

47.4151, 0.2476,
0.3817

46.7787, 0.2454,
0.3901

48.3017, 0.2518,
0.3734

46.3551, 0.2450,
0.3984

49.4597, 0.2579,
0.3652

46.1499, 0.2456,
0.4041

50.9140, 0.2657,
0.3574

52.6851, 0.2750,
0.3499

54.7920, 0.2855,
0.3430

■ 57.2517, 0.2969,
0.3366

■ 60.0805, 0.3088,
0.3307

■ 63.2933, 0.3212,
0.3255

■ 66.9045, 0.3337,
0.3207

Harmonies

Analogous

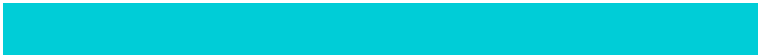
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.4151, 0.3054, 0.4351



47.4151, 0.2476, 0.3817



47.4151, 0.2096, 0.3139

Triad

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



47.4151, 0.2476, 0.3817



47.4151, 0.2500, 0.2293



47.4151, 0.4426, 0.3772

Complementary

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



47.4151, 0.2476, 0.3817



16.4375, 0.5069, 0.2939

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.



47.4151, 0.4270, 0.3276



47.4151, 0.2476, 0.3817



47.4151, 0.3091, 0.2470

Square

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



47.4151, 0.2476, 0.3817



47.4151, 0.2115, 0.2328



47.4151, 0.3758, 0.2817



47.4151, 0.4195, 0.4221

Rectangle

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



47.4151, 0.2476, 0.3817



47.4151, 0.1987, 0.2759



47.4151, 0.3758, 0.2817



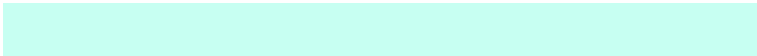
47.4151, 0.4419, 0.3607

Sweetspot

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



47.4169, 0.2476, 0.3817



90.0757, 0.2864, 0.3424



46.1154, 0.3185, 0.5492



19.0620, 0.2834, 0.3443



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.



47.4169, 0.2476, 0.3817



76.1692, 0.2449, 0.3951



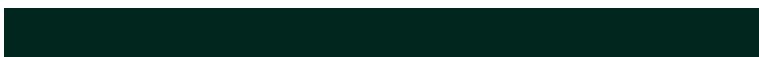
32.1356, 0.2157, 0.2661



12.6818, 0.3013, 0.3343



28.7440, 0.2453, 0.4029



1.4938, 0.2408, 0.3867

Inverse Universe

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



16.4375, 0.5069, 0.2939



22.8209, 0.5683, 0.3001



21.4449, 0.5203, 0.3724



11.2547, 0.3255, 0.3238



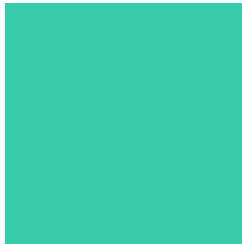
8.2174, 0.5982, 0.3069



0.4359, 0.5418, 0.2758

Previews

White Background



This preview shows how the Yxy color 47.4151, 0.2476, 0.3817 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 47.4151, 0.2476, 0.3817 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

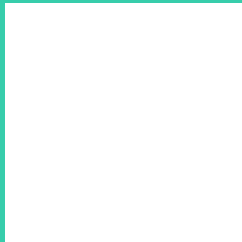
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4151, 0.2476, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 47.4151, 0.2476, 0.3817.



This preview shows how white text looks on a background with the Yxy color 47.4151, 0.2476, 0.3817.

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

47.4151, 0.2476, 0.3817

Protanopia

46.635, 0.3395, 0.3591

Deuteranopia

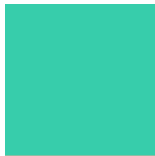
46.6425, 0.3342, 0.3278



Tritanopia

47.3728, 0.2315, 0.3061

Trichromacy



Original Color

47.4151, 0.2476, 0.3817



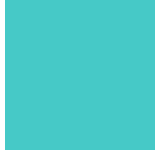
Protanomaly

45.1340, 0.2937, 0.3681



Deuteranomaly

44.9317, 0.2904, 0.3459



Tritanomaly

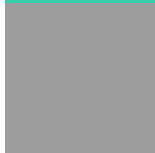
47.1989, 0.2370, 0.3317

Monochromacy



Original Color

47.4151, 0.2476, 0.3817



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.7673, 0.2773, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4151, 0.2476, 0.3817 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(55, 205, 171)` looks like.

```
.text, #text, p{  
    color:rgb(55, 205, 171)  
}
```

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(55, 205, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 205, 171) }
```

Border

The CSS property to change the border of an element to Yxy 47.4151, 0.2476, 0.3817 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(55, 205, 171) }
```

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

```
.border{ border-color:rgb(55, 205, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 205, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 205, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 205, 171);  
box-shadow:4px 4px 4px 4px rgb(55, 205,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4151, 0.2476, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 205, 171) }
```

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

```
.background{ background-color: rgb(55, 205,  
171) }
```

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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