

Converting Colors

$Y_{xy}(47.1475, 0.2543, 0.3777)$

Have a look what the booklet for
Yxy(47.1475, 0.2543, 0.3777)
contains.

Yxy(47.2299, 0.2542, 0.3779)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2299, 0.2542, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	4DCBAB
RGB	77, 203, 171
RGB Percent	30%, 80%, 67%
CMY	0.6979, 0.2039, 0.3293
CMYK	0.62, 0.00, 0.16, 0.20
HSL	165°, 55%, 55%
HSV	165°, 62%, 80%
XYZ	31.7699, 47.2299, 45.9801
YIQ	161.6780, -64.8240, -36.6640

Conversions

Conversions Part 2

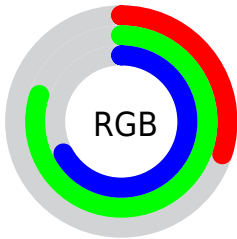
Format	Color
RYB	77, 149, 203
Decimal	5098411
CIELab	74.34, -42.38, 5.70
CIELCh	74, 42.764, 172.335
Yxy	47.2299, 0.2542, 0.3779
Android (android.graphics.Color)	4283288491 (0xFF4DCBAB)
YUV	161.6780, 4.5957, -74.2626
Hunter-Lab	68.7240, -37.7497, 8.4386

Details

The Yxy color **47.2299, 0.2542, 0.3779** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.1118, 0.4571, 0.2908**, and the grayscale version is **35.9779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4143, 0.2641, 0.3629**, and **22.5117, 0.2421, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **46.3220, 0.2500, 0.3873**, and if you desaturate by 10%, it is **48.4126, 0.2603, 0.3687**.

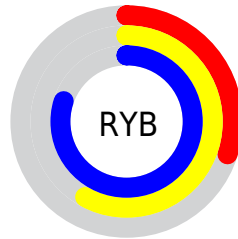
Distribution



Red (30%)

Green (80%)

Blue (67%)



Red (30%)

Yellow (58%)

Blue (80%)

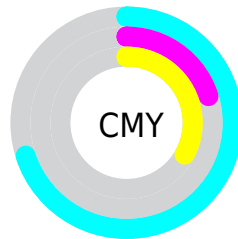


Cyan (62%)

Magenta (0%)

Yellow (16%)

Black (20%)



Cyan (70%)


Magenta (20%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2299, 0.2542, 0.3779 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 47.2299, 0.2542, 0.3779 by changing the saturation by 10% instead.


 47.2299, 0.2542,
0.3779


 47.2299, 0.2542,
0.3779


375.7315, 0.2835,
0.3529


 33.2174, 0.2469,
0.3843


 86.0567, 0.2649,
0.3687

 22.2931, 0.2375,
0.3926


 111.6398, 0.2689,
0.3653

 14.0724, 0.2251,
0.4037


 141.8486, 0.2722,
0.3624

 8.1710, 0.2078,
0.4196

 177.0675, 0.2751,
0.3600

 4.2046, 0.1824,
0.4438

217.6808, 0.2777,
0.3579

 1.7887, 0.1302,
0.4914

264.0729, 0.2799,

 0.4801, 0.0000,

0.3560

0.7948

316.6284, 0.2818,
0.3544

0.0000, 0.0000,
0.0000

47.2299, 0.2542,
0.3779

47.2299, 0.2542,
0.3779

46.3220, 0.2500,
0.3873

48.4126, 0.2603,
0.3687

45.6578, 0.2477,
0.3968

49.8868, 0.2680,
0.3599

45.2086, 0.2474,
0.4063

51.6743, 0.2772,
0.3516

44.9615, 0.2483,
0.4137

53.7933, 0.2875,
0.3439

56.2604, 0.2986,
0.3367

■ 59.0913, 0.3103,
0.3303

■ 62.3007, 0.3222,
0.3244

■ 65.9023, 0.3343,
0.3192

■ 69.0024, 0.3425,
0.3144

Harmonies

Analogous

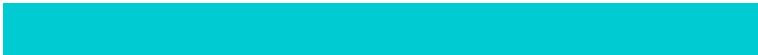
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.2299, 0.3077, 0.4253



47.2299, 0.2542, 0.3779



47.2299, 0.2184, 0.3169

Triad

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



47.2299, 0.2542, 0.3779



47.2299, 0.2545, 0.2369



47.2299, 0.4314, 0.3736

Complementary

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



47.2299, 0.2542, 0.3779



19.1118, 0.4571, 0.2908

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.



47.2299, 0.4162, 0.3276



47.2299, 0.2542, 0.3779



47.2299, 0.3086, 0.2529

Square

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



47.2299, 0.2542, 0.3779



47.2299, 0.2191, 0.2409



47.2299, 0.3693, 0.2850



47.2299, 0.4115, 0.4145

Rectangle

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



47.2299, 0.2542, 0.3779



47.2299, 0.2078, 0.2818



47.2299, 0.3693, 0.2850



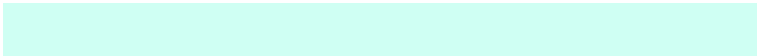
47.2299, 0.4304, 0.3583

Sweetspot

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



47.2318, 0.2542, 0.3779



91.1737, 0.2905, 0.3418



46.6028, 0.3235, 0.5162



19.2721, 0.2874, 0.3439



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.



47.2318, 0.2542, 0.3779



77.1986, 0.2491, 0.3901



36.0105, 0.2279, 0.2839



12.6765, 0.3017, 0.3349



28.6287, 0.2479, 0.4124



1.4887, 0.2428, 0.3941

Inverse Universe

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



19.1118, 0.4571, 0.2908



26.4110, 0.5066, 0.2893



23.6272, 0.4814, 0.3650



11.2596, 0.3251, 0.3231



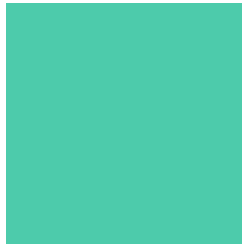
8.2477, 0.5899, 0.3023



0.4381, 0.5327, 0.2708

Previews

White Background



This preview shows how the Yxy color 47.2299, 0.2542, 0.3779 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 47.2299, 0.2542, 0.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

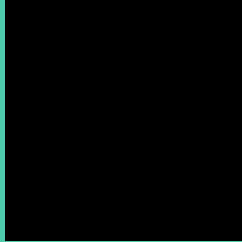
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

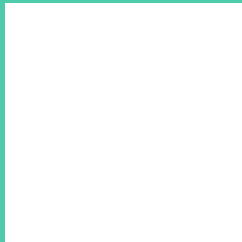
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2299, 0.2542, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 47.2299, 0.2542, 0.3779.

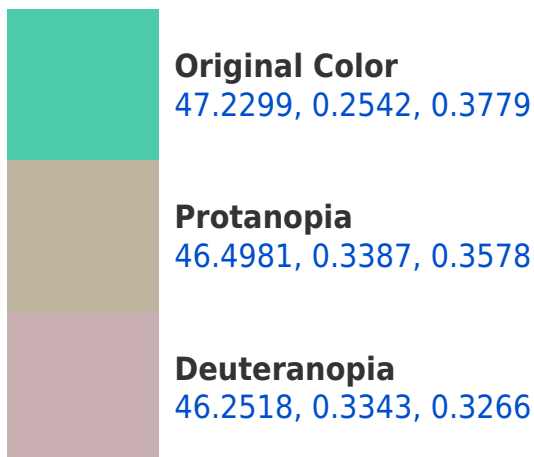


This preview shows how white text looks on a background with the Yxy color 47.2299, 0.2542, 0.3779.

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





Tritanopia

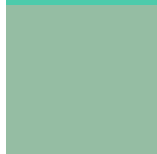
47.0638, 0.2375, 0.3063

Trichromacy



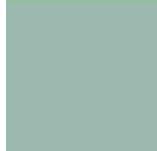
Original Color

47.2299, 0.2542, 0.3779



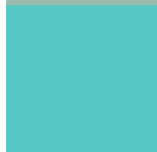
Protanomaly

45.4291, 0.2998, 0.3661



Deuteranomaly

44.8610, 0.2965, 0.3429



Tritanomaly

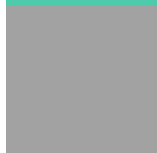
46.9503, 0.2430, 0.3303

Monochromacy



Original Color

47.2299, 0.2542, 0.3779



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.9862, 0.2838, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2299, 0.2542, 0.3779 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(77, 203, 171)` looks like.

```
.text, #text, p{  
    color:rgb(77, 203, 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(77, 203, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 203, 171) }
```

Border

The CSS property to change the border of an element to Yxy 47.2299, 0.2542, 0.3779 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(77, 203, 171) }
```

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

```
.border{ border-color:rgb(77, 203, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 203, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 203, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 203, 171);  
box-shadow:4px 4px 4px 4px rgb(77, 203,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2299, 0.2542, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 203, 171) }
```

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

```
.background{ background-color: rgb(77, 203,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor