

Converting Colors

Yxy(46.2613, 0.2544, 0.3911)

Have a look what the booklet for
Yxy(46.2613, 0.2544, 0.3911)
contains.

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Color

Yxy(46.0437, 0.2541, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	42CAA3
RGB	66, 202, 163
RGB Percent	26%, 79%, 64%
CMY	0.7412, 0.2078, 0.3608
CMYK	0.67, 0.00, 0.19, 0.21
HSL	163°, 56%, 53%
HSV	163°, 67%, 79%
XYZ	29.9762, 46.0437, 41.9501
YIQ	156.8900, -68.5370, -40.9610

Conversions

Conversions Part 2

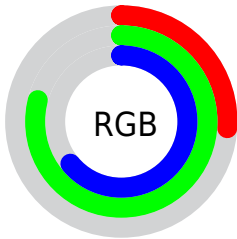
Format	Color
RYB	66, 145, 202
Decimal	4377251
CIELab	73.57, -45.75, 8.91
CIElCh	74, 46.611, 168.983
Yxy	46.0437, 0.2541, 0.3903
Android (android.graphics.Color)	4282567331 (0xFF42CAA3)
YUV	156.8900, 3.0122, -79.7105
Hunter-Lab	67.8555, -39.8921, 10.8441

Details

The Yxy color **46.0437, 0.2541, 0.3903** 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 **17.4725, 0.4688, 0.2839**, and the grayscale version is **33.6730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2491, 0.2640, 0.3732**, and **22.0151, 0.2468, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **45.2606, 0.2512, 0.4011**, and if you desaturate by 10%, it is **47.0876, 0.2590, 0.3796**.

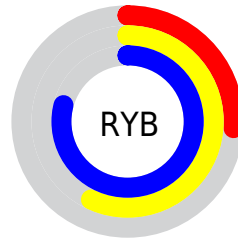
Distribution



Red (26%)

Green (79%)

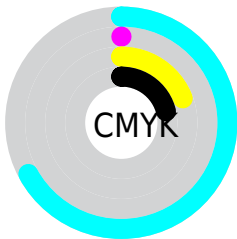
Blue (64%)



Red (26%)

Yellow (57%)

Blue (79%)

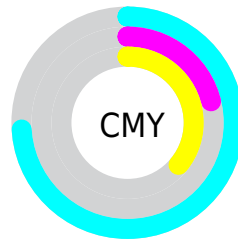


Cyan (67%)

Magenta (0%)

Yellow (19%)

Black (21%)



Cyan (74%)


Magenta (21%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0437, 0.2541, 0.3903 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 46.0437, 0.2541, 0.3903 by changing the saturation by 10% instead.


 46.0437, 0.2541,
0.3903


 46.0437, 0.2541,
0.3903


370.9843, 0.2838,
0.3585

 32.2803, 0.2466,
0.3986


 84.2844, 0.2650,
0.3785


 21.5757, 0.2368,
0.4095


 109.5305, 0.2691,
0.3741


 13.5455, 0.2238,
0.4243


 139.3729, 0.2725,
0.3705

 7.8052, 0.2056,
0.4456

 174.1961, 0.2754,
0.3674

 3.9706, 0.1784,
0.4789

 214.3845, 0.2780,
0.3647

 1.6571, 0.1044,
0.5556

260.3224, 0.2802,

 0.3957, 0.0000,

0.3624

1.0000

312.3942, 0.2821,
0.3603

■ 0.0000, 0.0000,
0.0000

■ 46.0437, 0.2541,
0.3903

■ 46.0437, 0.2541,
0.3903

■ 45.2606, 0.2512,
0.4011

■ 47.0876, 0.2590,
0.3796

■ 44.7053, 0.2503,
0.4120

■ 48.4104, 0.2656,
0.3694

■ 44.3415, 0.2512,
0.4227

■ 50.0349, 0.2737,
0.3596

■ 44.2591, 0.2516,
0.4256

■ 51.9798, 0.2831,
0.3504

■ 54.2624, 0.2934,
0.3419

■ 56.8988, 0.3044,
0.3342

■ 59.9040, 0.3158,
0.3272

■ 63.2920, 0.3273,
0.3210

■ 67.0762, 0.3388,
0.3154

Harmonies

Analogous

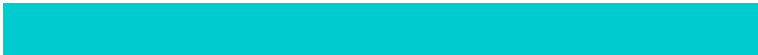
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0437, 0.3137, 0.4395



46.0437, 0.2541, 0.3903



46.0437, 0.2129, 0.3223

Triad

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



46.0437, 0.2541, 0.3903



46.0437, 0.2436, 0.2283



46.0437, 0.4431, 0.3709

Complementary

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



46.0437, 0.2541, 0.3903



17.4725, 0.4688, 0.2839

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.



46.0437, 0.4223, 0.3212



46.0437, 0.2541, 0.3903



46.0437, 0.3006, 0.2435

Square

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



46.0437, 0.2541, 0.3903



46.0437, 0.2081, 0.2349



46.0437, 0.3676, 0.2764



46.0437, 0.4246, 0.4171

Rectangle

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



46.0437, 0.2541, 0.3903



46.0437, 0.1997, 0.2824



46.0437, 0.3676, 0.2764



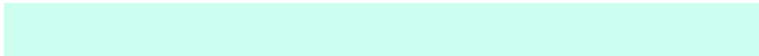
46.0437, 0.4407, 0.3542

Sweetspot

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



46.0455, 0.2541, 0.3903



90.6706, 0.2903, 0.3443



45.7501, 0.3258, 0.5296



19.1693, 0.2874, 0.3467



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.



46.0455, 0.2541, 0.3903



76.1333, 0.2505, 0.4063



36.0055, 0.2246, 0.2868



12.6700, 0.3021, 0.3357



28.4944, 0.2512, 0.4242



1.4827, 0.2453, 0.4032

Inverse Universe

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



17.4725, 0.4688, 0.2839



24.4873, 0.5236, 0.2849



20.8130, 0.5072, 0.3606



11.2657, 0.3246, 0.3224



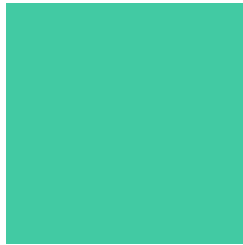
8.2897, 0.5789, 0.2963



0.4409, 0.5219, 0.2648

Previews

White Background



This preview shows how the Yxy color 46.0437, 0.2541, 0.3903 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 46.0437, 0.2541, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

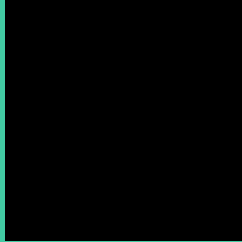
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

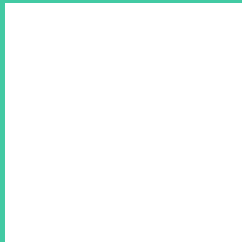
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0437, 0.2541, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 46.0437, 0.2541, 0.3903.



This preview shows how white text looks on a background with the Yxy color 46.0437, 0.2541, 0.3903.

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

46.0437, 0.2541, 0.3903

Protanopia

45.2934, 0.3450, 0.3660

Deuteranopia

45.0311, 0.3408, 0.3342



Tritanopia

45.7596, 0.2354, 0.3059

Trichromacy



Original Color

46.0437, 0.2541, 0.3903



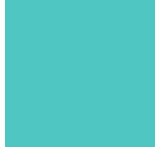
Protanomaly

43.8365, 0.3017, 0.3758



Deuteranomaly

43.6503, 0.2984, 0.3532



Tritanomaly

45.9455, 0.2416, 0.3347

Monochromacy



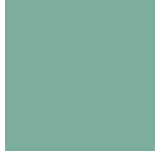
Original Color

46.0437, 0.2541, 0.3903



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.6754, 0.2824, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0437, 0.2541, 0.3903 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(66, 202, 163)` looks like.

```
.text, #text, p{  
    color:rgb(66, 202, 163)  
}
```

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(66, 202, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 202, 163) }
```

Border

The CSS property to change the border of an element to Yxy 46.0437, 0.2541, 0.3903 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(66, 202, 163) }
```

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

```
.border{ border-color:rgb(66, 202, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 202, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 202, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 202, 163);  
box-shadow:4px 4px 4px 4px rgb(66, 202,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0437, 0.2541, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 202, 163) }
```

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

```
.background{ background-color: rgb(66, 202,  
163) }
```

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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