

Converting Colors

$Y_{xy}(70.5011, 0.2503, 0.4123)$

Have a look what the booklet for
Yxy(70.5011, 0.2503, 0.4123)
contains.

Yxy(70.3900, 0.2501, 0.4118)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.3900, 0.2501, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	21F7BA
RGB	33, 247, 186
RGB Percent	13%, 97%, 73%
CMY	0.8708, 0.0314, 0.2705
CMYK	0.87, 0.00, 0.25, 0.03
HSL	163°, 93%, 55%
HSV	163°, 87%, 97%
XYZ	42.7502, 70.3900, 57.7923
YIQ	176.0600, -107.9630, -64.3390

Conversions

Conversions Part 2

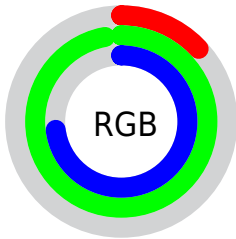
Format	Color
R _Y B	33, 158, 247
Decimal	2226106
CIE Lab	87.19, -61.68, 15.98
CIE LCh	87, 63.719, 165.478
Yxy	70.3900, 0.2501, 0.4118
Android (android.graphics.Color)	4280416186 (0xFF21F7BA)
YUV	176.0600, 4.9004, -125.4636
Hunter-Lab	83.8987, -55.8690, 17.8882

Details

The Yxy color **70.3900, 0.2501, 0.4118** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **21.6677, 0.5442, 0.2882**, and the grayscale version is **43.4601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9958, 0.2504, 0.3440**, and **38.0886, 0.2524, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **69.8313, 0.2511, 0.4226**, and if you desaturate by 10%, it is **71.2663, 0.2510, 0.4009**.

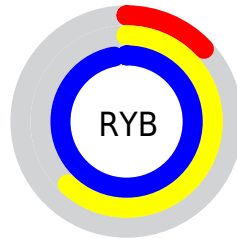
Distribution



Red (13%)

Green (97%)

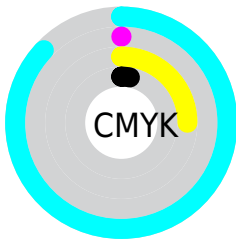
Blue (73%)



Red (13%)

Yellow (62%)

Blue (97%)

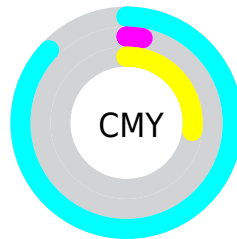


Cyan (87%)

Magenta (0%)

Yellow (25%)

Black (3%)



Cyan (87%)


Magenta (3%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3900, 0.2501, 0.4118 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 70.3900, 0.2501, 0.4118 by changing the saturation by 10% instead.

 70.3900, 0.2501,
0.4118

 70.3900, 0.2501,
0.4118


461.9182, 0.2801,
0.3712


 51.8445, 0.2430,
0.4217


 119.7648, 0.2607,
0.3972

 36.8812, 0.2342,
0.4341


 151.3628, 0.2647,
0.3917

 25.1155, 0.2229,
0.4504


 188.0806, 0.2682,
0.3870

 16.1631, 0.2078,
0.4725

 230.3024, 0.2712,
0.3830

 9.6397, 0.1871,
0.5040

 278.4127, 0.2739,
0.3795

 5.1607, 0.1568,
0.5520


332.7958, 0.2762,

 2.3419, 0.0841,

0.3764

0.6506


393.8362, 0.2782,
0.3736


 0.7957, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 70.3900, 0.2501,
0.4118


 70.3900, 0.2501,
0.4118


 69.8313, 0.2511,
0.4226


 71.2663, 0.2510,
0.4009

 69.6836, 0.2517,
0.4261


 72.5087, 0.2539,
0.3900


 74.1652, 0.2588,
0.3793


 76.2742, 0.2656,
0.3690

 78.8698, 0.2738,
0.3591

 81.9827, 0.2834,
0.3499

 85.6409, 0.2939,
0.3415

 89.8707, 0.3051,
0.3337

 94.6464, 0.3164,
0.3268

Harmonies

Analogous

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



70.3900, 0.3207, 0.4661



70.3900, 0.2501, 0.4118



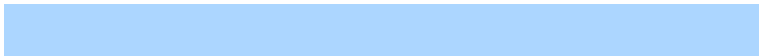
70.3900, 0.2002, 0.3289

Triad

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



70.3900, 0.2501, 0.4118



70.3900, 0.2257, 0.2121



70.3900, 0.4663, 0.3682

Complementary

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



70.3900, 0.2501, 0.4118



21.6677, 0.5442, 0.2882

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.



70.3900, 0.4369, 0.3119



70.3900, 0.2501, 0.4118



70.3900, 0.2889, 0.2270

Square

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



70.3900, 0.2501, 0.4118



70.3900, 0.1888, 0.2217



70.3900, 0.3681, 0.2623



70.3900, 0.4477, 0.4237

Rectangle

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



70.3900, 0.2501, 0.4118



70.3900, 0.1833, 0.2798



70.3900, 0.3681, 0.2623



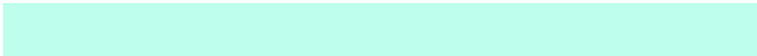
70.3900, 0.4620, 0.3491

Sweetspot

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



70.3928, 0.2501, 0.4118



88.3628, 0.2840, 0.3494



69.1849, 0.3196, 0.5745



18.6482, 0.2806, 0.3525



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.



70.3928, 0.2501, 0.4118



74.9113, 0.2518, 0.4263



50.3171, 0.2111, 0.2719



18.6726, 0.3019, 0.3358



36.8774, 0.2512, 0.4243



3.2588, 0.2475, 0.4109

Inverse Universe

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



21.6677, 0.5442, 0.2882



21.7366, 0.5863, 0.3003



25.0215, 0.5859, 0.3558



16.5602, 0.3249, 0.3223



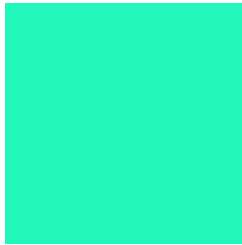
10.7154, 0.5816, 0.2978



0.9587, 0.5463, 0.2783

Previews

White Background



This preview shows how the Yxy color 70.3900, 0.2501, 0.4118 looks on a white background.

Color Contrast Check

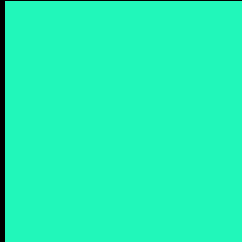
Large Text (above 18pt) WCAG AA × Fail

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 70.3900, 0.2501, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

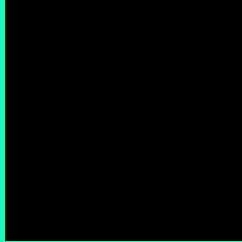
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

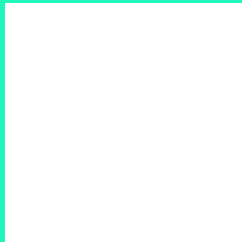
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3900, 0.2501, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 70.3900, 0.2501, 0.4118.



This preview shows how white text looks on a background with the Yxy color 70.3900, 0.2501, 0.4118.

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

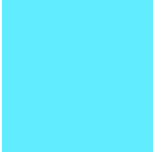
70.3900, 0.2501, 0.4118

Protanopia

68.8750, 0.3549, 0.3788

Deuteranopia

68.9084, 0.3514, 0.3450



Tritanopia

70.3298, 0.2326, 0.3072

Trichromacy



Original Color

70.3900, 0.2501, 0.4118



Protanomaly

65.3419, 0.2979, 0.3940



Deuteranomaly

64.8618, 0.2953, 0.3688



Tritanomaly

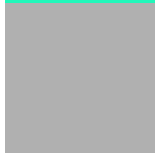
70.0796, 0.2375, 0.3427

Monochromacy



Original Color

70.3900, 0.2501, 0.4118



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.8214, 0.2724, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3900, 0.2501, 0.4118 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(33, 247, 186)` looks like.

```
.text, #text, p{  
    color:rgb(33, 247, 186)  
}
```

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(33, 247, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 247, 186) }
```

Border

The CSS property to change the border of an element to Yxy 70.3900, 0.2501, 0.4118 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(33, 247, 186) }
```

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

```
.border{ border-color:rgb(33, 247, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 247, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 247, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 247, 186);  
box-shadow:4px 4px 4px 4px rgb(33, 247,  
186) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.3900, 0.2501, 0.4118$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 247, 186) }
```

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

```
.background{ background-color: rgb(33, 247,  
186) }
```

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