

Converting Colors

$Y_{xy}(70.1502, 0.2849, 0.4127)$

Have a look what the booklet for
Yxy(70.1502, 0.2849, 0.4127)
contains.

Yxy(70.4019, 0.2848, 0.4128)	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(70.4019, 0.2848, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	85F0AF
RGB	133, 240, 175
RGB Percent	52%, 94%, 69%
CMY	0.4783, 0.0588, 0.3138
CMYK	0.45, 0.00, 0.27, 0.06
HSL	144°, 78%, 73%
HSV	144°, 45%, 94%
XYZ	48.5719, 70.4019, 51.5735
YIQ	200.5970, -42.9070, -42.8990

Conversions

Conversions Part 2

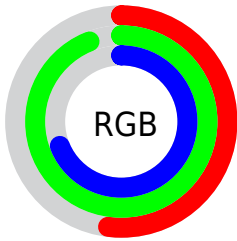
Format	Color
RYB	133, 210, 240
Decimal	8777903
CIELab	87.19, -45.05, 22.02
CIELCh	87, 50.145, 153.955
Yxy	70.4019, 0.2848, 0.4128
Android (android.graphics.Color)	4286967983 (0xFF85F0AF)
YUV	200.5970, -12.6193, -59.2826
Hunter-Lab	83.9058, -43.5042, 22.2910

Details

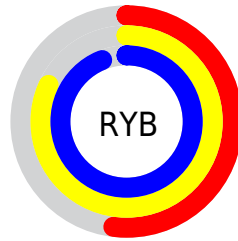
The Yxy color **70.4019, 0.2848, 0.4128** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.3880, 0.3585, 0.2590**, and the grayscale version is **58.2498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3659, 0.2879, 0.3550**, and **36.7680, 0.2767, 0.4357** is the 20% darker color. If you saturate the color by 10%, you get **68.1264, 0.2806, 0.4360**, and if you desaturate by 10%, it is **73.1914, 0.2901, 0.3909**.

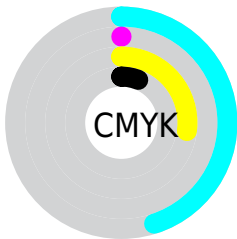
Distribution



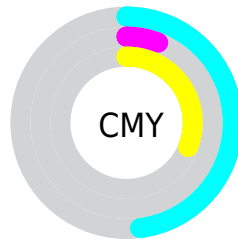
- Red (52%)
- Green (94%)
- Blue (69%)



- Red (52%)
- Yellow (82%)
- Blue (94%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (6%)





- Cyan (48%)
- Magenta (6%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4019, 0.2848, 0.4128 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 70.4019, 0.2848, 0.4128 by changing the saturation by 10% instead.


 70.4019, 0.2848,
0.4128

 70.4019, 0.2848,
0.4128


461.9599, 0.2989,
0.3716


 51.8543, 0.2813,
0.4228


 119.7817, 0.2899,
0.3980

 36.8889, 0.2767,
0.4356


 151.3827, 0.2919,
0.3924

 25.1215, 0.2707,
0.4522


 188.1035, 0.2935,
0.3876

 16.1676, 0.2624,
0.4749

230.3286, 0.2949,
0.3835

 9.6428, 0.2502,
0.5074

278.4424, 0.2961,
0.3799

 5.1628, 0.2307,
0.5573

332.8293, 0.2971,

 2.3431, 0.1978,

0.3768

0.6535

393.8737, 0.2981,
0.3740

0.7964, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.4019, 0.2848,
0.4128

70.4019, 0.2848,
0.4128

68.1264, 0.2806,
0.4360

73.1914, 0.2901,
0.3909

66.3234, 0.2779,
0.4599


76.5160, 0.2962,
0.3707

64.9591, 0.2770,
0.4837


80.4059, 0.3028,
0.3523


63.9910, 0.2780,
0.5066

84.8867, 0.3096,
0.3359

 63.3675, 0.2808,
0.5275

 89.9822, 0.3164,
0.3213

 63.1320, 0.2827,
0.5379

 90.8018, 0.3134,
0.3146

Harmonies

Analogous

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



70.4019, 0.3442, 0.4402



70.4019, 0.2848, 0.4128



70.4019, 0.2358, 0.3549

Triad

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



70.4019, 0.2848, 0.4128



70.4019, 0.2282, 0.2346



70.4019, 0.4294, 0.3455

Complementary

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



70.4019, 0.2848, 0.4128



39.3880, 0.3585, 0.2590

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.



70.4019, 0.3924, 0.2998



70.4019, 0.2848, 0.4128



70.4019, 0.2727, 0.2389

Square

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



70.4019, 0.2848, 0.4128



70.4019, 0.2061, 0.2526



70.4019, 0.3328, 0.2621



70.4019, 0.4305, 0.3918

Rectangle

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



70.4019, 0.2848, 0.4128



70.4019, 0.2148, 0.3132



70.4019, 0.3328, 0.2621



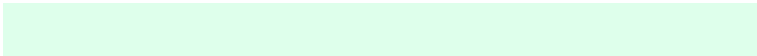
70.4019, 0.4207, 0.3298

Sweetspot

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



70.4048, 0.2848, 0.4128



93.0154, 0.3038, 0.3497



76.1575, 0.3490, 0.4509



19.6803, 0.3023, 0.3535



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.



70.4048, 0.2848, 0.4128



78.5136, 0.2811, 0.4327



72.8855, 0.2585, 0.3440



17.7591, 0.3062, 0.3437



34.5829, 0.2819, 0.5349



2.8960, 0.2746, 0.5085

Inverse Universe

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



39.3880, 0.3585, 0.2590



38.9212, 0.3713, 0.2466



37.3684, 0.4177, 0.3155



15.9203, 0.3198, 0.3147



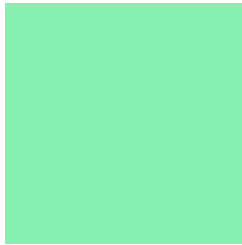
11.3020, 0.4507, 0.2257



0.9597, 0.4290, 0.2137

Previews

White Background



This preview shows how the Yxy color 70.4019, 0.2848, 0.4128 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 70.4019, 0.2848, 0.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

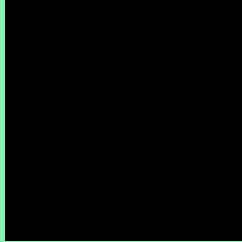
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4019, 0.2848, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 70.4019, 0.2848, 0.4128.



This preview shows how white text looks on a background with the Yxy color 70.4019, 0.2848, 0.4128.

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

70.4019, 0.2848, 0.4128

Protanopia

69.4618, 0.3612, 0.3873

Deuteranopia

69.4876, 0.3653, 0.3574



Tritanopia

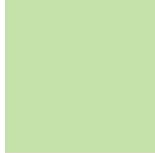
70.0125, 0.2548, 0.3067

Trichromacy



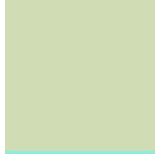
Original Color

70.4019, 0.2848, 0.4128



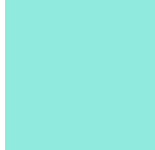
Protanomaly

68.4133, 0.3292, 0.3968



Deuteranomaly

67.8510, 0.3316, 0.3766



Tritanomaly

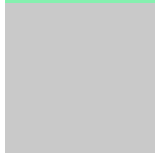
70.0489, 0.2653, 0.3435

Monochromacy



Original Color

70.4019, 0.2848, 0.4128



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.6368, 0.3000, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4019, 0.2848, 0.4128 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(133, 240, 175)` looks like.

```
.text, #text, p{  
    color:rgb(133, 240, 175)  
}
```

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(133, 240, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 240, 175) }
```

Border

The CSS property to change the border of an element to Yxy 70.4019, 0.2848, 0.4128 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(133, 240, 175) }
```

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

```
.border{ border-color:rgb(133, 240, 175) }
```

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

Here you see how a box with a 4 pixel rgb(133, 240, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 240, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 240, 175);  
box-shadow:4px 4px 4px 4px rgb(133, 240,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4019, 0.2848, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 240, 175) }
```

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

```
.background{ background-color: rgb(133,  
240, 175) }
```

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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