

Converting Colors

$Y_{xy}(71.0287, 0.2805, 0.4183)$

Have a look what the booklet for
Yxy(71.0287, 0.2805, 0.4183)
contains.

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Color

Yxy(71.3681, 0.2807, 0.4185)

Conversions

Conversions Part 1

Format	Color
Hex	7BF3AE
RGB	123, 243, 174
RGB Percent	48%, 95%, 68%
CMY	0.5173, 0.0471, 0.3176
CMYK	0.49, 0.00, 0.28, 0.05
HSL	145°, 83%, 72%
HSV	145°, 49%, 95%
XYZ	47.8686, 71.3681, 51.2964
YIQ	199.2540, -49.3710, -46.8990

Conversions

Conversions Part 2

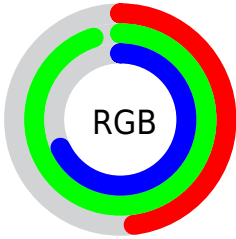
Format	Color
RYB	123, 207, 243
Decimal	8123310
CIELab	87.66, -49.02, 23.11
CIElCh	88, 54.191, 154.760
Yxy	71.3681, 0.2807, 0.4185
Android (android.graphics.Color)	4286313390 (0xFF7BF3AE)
YUV	199.2540, -12.4502, -66.8748
Hunter-Lab	84.4796, -46.6960, 23.1346

Details

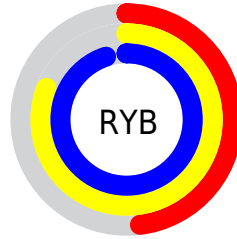
The Yxy color **71.3681, 0.2807, 0.4185** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **37.0524, 0.3698, 0.2557**, and the grayscale version is **57.3924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0569, 0.2830, 0.3565**, and **37.5224, 0.2717, 0.4433** is the 20% darker color. If you saturate the color by 10%, you get **69.2769, 0.2769, 0.4409**, and if you desaturate by 10%, it is **73.9667, 0.2858, 0.3972**.

Distribution



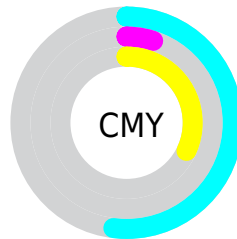
- Red (48%)
- Green (95%)
- Blue (68%)



- Red (48%)
- Yellow (81%)
- Blue (95%)



- Cyan (49%)
- Magenta (0%)
- Yellow (28%)
- Black (5%)





- Cyan (52%)
- Magenta (5%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3681, 0.2807, 0.4185 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 71.3681, 0.2807, 0.4185 by changing the saturation by 10% instead.


 71.3681, 0.2807,
0.4185


 71.3681, 0.2807,
0.4185


465.3392, 0.2968,
0.3744


 52.6426, 0.2767,
0.4292


 121.1577, 0.2866,
0.4027

 37.5176, 0.2716,
0.4429

 152.9907, 0.2887,
0.3967

 25.6085, 0.2648,
0.4607


 189.9616, 0.2906,
0.3916

 16.5310, 0.2554,
0.4849

232.4548, 0.2922,
0.3872

 9.9007, 0.2417,
0.5195

280.8548, 0.2936,
0.3834

 5.3331, 0.2201,
0.5724

335.5459, 0.2948,

 2.4440, 0.1829,


0.3800


0.6752


396.9126, 0.2959,
0.3771


 0.8484, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.3681, 0.2807,
0.4185


 71.3681, 0.2807,
0.4185


 69.2769, 0.2769,
0.4409


 73.9667, 0.2858,
0.3972


 67.6491, 0.2749,
0.4637


 77.0957, 0.2919,
0.3773

 66.4476, 0.2747,
0.4861


 80.7870, 0.2987,
0.3591

 65.6250, 0.2764,
0.5075

 85.0675, 0.3059,
0.3427

 65.1087, 0.2798,
0.5270

 89.9624, 0.3132,
0.3281

 65.0798, 0.2801,
0.5282

 92.5771, 0.3133,
0.3175

Harmonies

Analogous

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



71.3681, 0.3441, 0.4489



71.3681, 0.2807, 0.4185



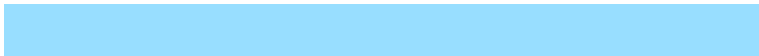
71.3681, 0.2291, 0.3547

Triad

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



71.3681, 0.2807, 0.4185



71.3681, 0.2234, 0.2281



71.3681, 0.4388, 0.3472

Complementary

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



71.3681, 0.2807, 0.4185



37.0524, 0.3698, 0.2557

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.



71.3681, 0.3999, 0.2988



71.3681, 0.2807, 0.4185



71.3681, 0.2712, 0.2334

Square

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



71.3681, 0.2807, 0.4185



71.3681, 0.1995, 0.2461



71.3681, 0.3359, 0.2586



71.3681, 0.4384, 0.3965

Rectangle

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



71.3681, 0.2807, 0.4185



71.3681, 0.2075, 0.3098



71.3681, 0.3359, 0.2586



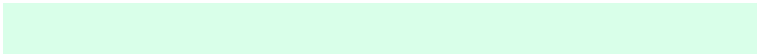
71.3681, 0.4299, 0.3306

Sweetspot

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



71.3710, 0.2807, 0.4185



92.1161, 0.3018, 0.3518



76.8716, 0.3491, 0.4657



19.5059, 0.3003, 0.3554



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.



71.3710, 0.2807, 0.4185



77.3392, 0.2770, 0.4404



74.1983, 0.2524, 0.3409



18.5888, 0.3058, 0.3429



35.7461, 0.2792, 0.5253



3.1618, 0.2724, 0.5006

Inverse Universe

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



37.0524, 0.3698, 0.2557



35.0387, 0.3868, 0.2435



34.9386, 0.4404, 0.3186



16.6424, 0.3203, 0.3155



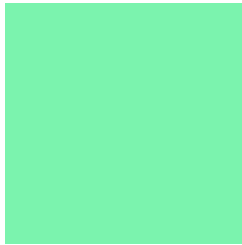
11.5218, 0.4643, 0.2331



1.0332, 0.4413, 0.2205

Previews

White Background



This preview shows how the Yxy color 71.3681, 0.2807, 0.4185 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 71.3681, 0.2807, 0.4185 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 71.3681, 0.2807, 0.4185

Background



This preview shows how black text looks on a background with the Yxy color 71.3681, 0.2807, 0.4185.



This preview shows how white text looks on a background with the Yxy color 71.3681, 0.2807, 0.4185.

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

71.3681, 0.2807, 0.4185

Protanopia

70.2796, 0.3632, 0.3890

Deuteranopia

70.1248, 0.3666, 0.3594



Tritanopia

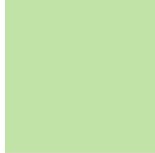
71.1457, 0.2502, 0.3067

Trichromacy



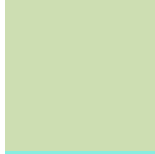
Original Color

71.3681, 0.2807, 0.4185



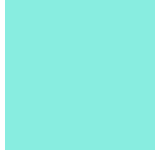
Protanomaly

69.1975, 0.3280, 0.4004



Deuteranomaly

68.4360, 0.3297, 0.3803



Tritanomaly

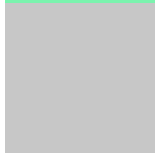
71.1844, 0.2610, 0.3447

Monochromacy



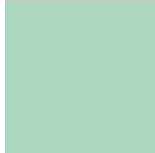
Original Color

71.3681, 0.2807, 0.4185



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.9765, 0.2978, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3681, 0.2807, 0.4185 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(123, 243, 174)` looks like.

```
.text, #text, p{  
    color:rgb(123, 243, 174)  
}
```

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(123, 243, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 243, 174) }
```

Border

The CSS property to change the border of an element to Yxy 71.3681, 0.2807, 0.4185 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(123, 243, 174) }
```

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

```
.border{ border-color:rgb(123, 243, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 243, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 243, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 243, 174);  
box-shadow:4px 4px 4px 4px rgb(123, 243,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3681, 0.2807, 0.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 243, 174) }
```

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

```
.background{ background-color: rgb(123,  
243, 174) }
```

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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