

Converting Colors

$Yxy(74.5995, 0.2733, 0.4235)$

Have a look what the booklet for
Yxy(74.5995, 0.2733, 0.4235)
contains.

Yxy(74.6713, 0.2733, 0.4235)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.6713, 0.2733, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	6BFAB1
RGB	107, 250, 177
RGB Percent	42%, 98%, 69%
CMY	0.5802, 0.0196, 0.3059
CMYK	0.57, 0.00, 0.29, 0.02
HSL	149°, 93%, 70%
HSV	149°, 57%, 98%
XYZ	48.1881, 74.6713, 53.4601
YIQ	198.9210, -61.7950, -53.0190

Conversions

Conversions Part 2

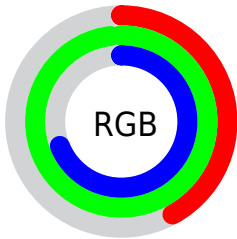
Format	Color
RYB	107, 203, 250
Decimal	7076529
CIELab	89.24, -54.92, 23.67
CIELCh	89, 59.805, 156.690
Yxy	74.6713, 0.2733, 0.4235
Android (android.graphics.Color)	4285266609 (0xFF6BFAB1)
YUV	198.9210, -10.8071, -80.6147
Hunter-Lab	86.4126, -51.6811, 23.8084

Details

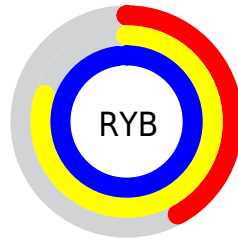
The Yxy color **74.6713, 0.2733, 0.4235** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.1487, 0.3947, 0.2547**, and the grayscale version is **57.1671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7280, 0.2747, 0.3536**, and **39.4616, 0.2623, 0.4484** is the 20% darker color. If you saturate the color by 10%, you get **72.8558, 0.2704, 0.4437**, and if you desaturate by 10%, it is **76.9883, 0.2779, 0.4039**.

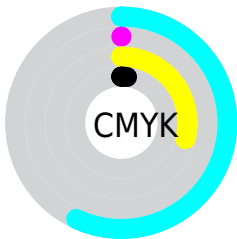
Distribution



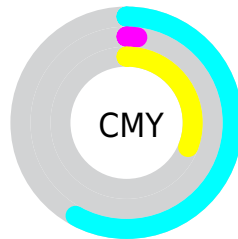
- Red (42%)
- Green (98%)
- Blue (69%)



- Red (42%)
- Yellow (80%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (29%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6713, 0.2733, 0.4235 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 74.6713, 0.2733, 0.4235 by changing the saturation by 10% instead.

 74.6713, 0.2733,
0.4235


 74.6713, 0.2733,
0.4235


476.7870, 0.2928,
0.3772

 55.3436, 0.2685,
0.4347

 125.8470, 0.2803,
0.4069

 39.6769, 0.2625,
0.4489


 158.4638, 0.2830,
0.4006

 27.2867, 0.2546,
0.4673


 196.2791, 0.2852,
0.3953

 17.7887, 0.2438,
0.4923

239.6773, 0.2872,
0.3906

 10.7984, 0.2284,
0.5277

289.0428, 0.2888,
0.3866

 5.9314, 0.2048,
0.5813

344.7600, 0.2903,

 2.8034, 0.1647,

0.3831

407.2133, 0.2916,
0.3800

0.6753

1.0300, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

74.6713, 0.2733,
0.4235

74.6713, 0.2733,
0.4235

72.8558, 0.2704,
0.4437

76.9883, 0.2779,
0.4039

71.4918, 0.2693,
0.4640


79.8341, 0.2839,
0.3854

70.5340, 0.2704,
0.4838


83.2445, 0.2910,
0.3681


69.9209, 0.2733,
0.5025

87.2496, 0.2987,
0.3524

 69.7841, 0.2743,
0.5075

 91.8772, 0.3068,
0.3382

 96.7617, 0.3138,
0.3256

 96.8514, 0.3129,
0.3242

Harmonies

Analogous

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



74.6713, 0.3414, 0.4594



74.6713, 0.2733, 0.4235



74.6713, 0.2194, 0.3517

Triad

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



74.6713, 0.2733, 0.4235



74.6713, 0.2191, 0.2202



74.6713, 0.4510, 0.3510

Complementary

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



74.6713, 0.2733, 0.4235



34.1487, 0.3947, 0.2547

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.



74.6713, 0.4113, 0.2991



74.6713, 0.2733, 0.4235



74.6713, 0.2716, 0.2276

Square

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



74.6713, 0.2733, 0.4235



74.6713, 0.1919, 0.2372



74.6713, 0.3423, 0.2556



74.6713, 0.4471, 0.4038

Rectangle

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



74.6713, 0.2733, 0.4235



74.6713, 0.1977, 0.3030



74.6713, 0.3423, 0.2556



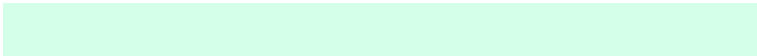
74.6713, 0.4424, 0.3332

Sweetspot

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



74.6743, 0.2733, 0.4235



91.3402, 0.2988, 0.3522



79.2469, 0.3462, 0.4910



19.3588, 0.2972, 0.3552



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.



74.6743, 0.2733, 0.4235



75.9057, 0.2700, 0.4476



78.2541, 0.2421, 0.3316



19.4508, 0.3049, 0.3414



37.0445, 0.2735, 0.5046



3.4523, 0.2674, 0.4825

Inverse Universe

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



34.1487, 0.3947, 0.2547



29.7208, 0.4215, 0.2447



31.9643, 0.4859, 0.3272



17.3732, 0.3214, 0.3169



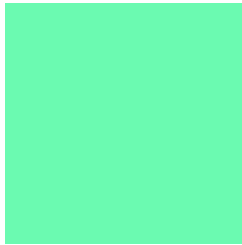
11.6321, 0.4917, 0.2482



1.0988, 0.4657, 0.2339

Previews

White Background



This preview shows how the Yxy color 74.6713, 0.2733, 0.4235 looks on a white background.

Color Contrast Check

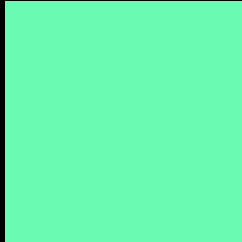
Large Text (above 18pt) WCAG AA × Fail

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 74.6713, 0.2733, 0.4235 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 74.6713, 0.2733, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 74.6713, 0.2733, 0.4235.

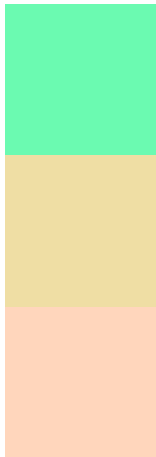


This preview shows how white text looks on a background with the Yxy color 74.6713, 0.2733, 0.4235.

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

74.6713, 0.2733, 0.4235

Protanopia

73.2736, 0.3652, 0.3911

Deuteranopia

72.9840, 0.3626, 0.3559



Tritanopia

74.4801, 0.2512, 0.3094

Trichromacy



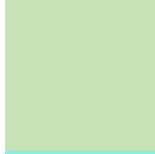
Original Color

74.6713, 0.2733, 0.4235



Protanomaly

71.6542, 0.3240, 0.4037



Deuteranomaly

70.8164, 0.3222, 0.3790



Tritanomaly

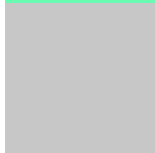
73.9558, 0.2587, 0.3470

Monochromacy



Original Color

74.6713, 0.2733, 0.4235



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.0114, 0.2939, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6713, 0.2733, 0.4235 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(107, 250, 177)` looks like.

```
.text, #text, p{  
    color:rgb(107, 250, 177)  
}
```

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(107, 250, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 250, 177) }
```

Border

The CSS property to change the border of an element to Yxy 74.6713, 0.2733, 0.4235 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(107, 250, 177) }
```

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

```
.border{ border-color:rgb(107, 250, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 250, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 250, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 250, 177);  
box-shadow:4px 4px 4px 4px rgb(107, 250,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6713, 0.2733, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 250, 177) }
```

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

```
.background{ background-color: rgb(107,  
250, 177) }
```

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