

# Converting Colors

$Yxy(73.8249, 0.2751, 0.4174)$

Have a look what the booklet for  
Yxy(73.8249, 0.2751, 0.4174)  
contains.

<b>Yxy(74.0343, 0.2753, 0.4179)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(74.0343, 0.2753, 0.4179)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73F8B3
RGB	115, 248, 179
RGB Percent	45%, 97%, 70%
CMY	0.5490, 0.0274, 0.2981
CMYK	0.54, 0.00, 0.28, 0.03
HSL	149°, 90%, 71%
HSV	149°, 54%, 97%
XYZ	48.7716, 74.0343, 54.3521
YIQ	200.3670, -57.1190, -49.6550

# Conversions

## Conversions Part 2

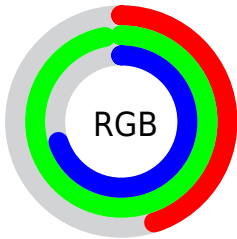
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 205, 248
Decimal	7600307
CIELab	88.94, -52.03, 22.28
CIELCh	89, 56.596, 156.822
Yxy	74.0343, 0.2753, 0.4179
Android (android.graphics.Color)	4285790387 (0xFF73F8B3)
YUV	200.3670, -10.5339, -74.8669
Hunter-Lab	86.0432, -49.3970, 22.7777

# Details

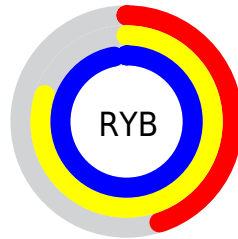
The Yxy color **74.0343, 0.2753, 0.4179** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **35.6809, 0.3860, 0.2574**, and the grayscale version is **58.0894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6321, 0.2773, 0.3511**, and **39.3963, 0.2650, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **72.0795, 0.2718, 0.4383**, and if you desaturate by 10%, it is **76.4959, 0.2804, 0.3983**.

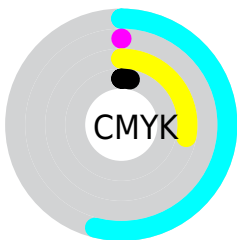
# Distribution



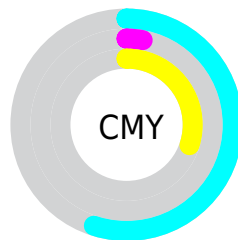
- Red (45%)
- Green (97%)
- Blue (70%)



- Red (45%)
- Yellow (80%)
- Blue (97%)



- Cyan (54%)
- Magenta (0%)
- Yellow (28%)
- Black (3%)




- Cyan (55%)
- Magenta (3%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0343, 0.2753, 0.4179 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 74.0343, 0.2753, 0.4179 by changing the saturation by 10% instead.




 74.0343, 0.2753,  
0.4179

 74.0343, 0.2753,  
0.4179


474.5917, 0.2938,  
0.3744

 54.8221, 0.2708,  
0.4284

 124.9444, 0.2819,  
0.4023

 39.2593, 0.2651,  
0.4417


 157.4112, 0.2844,  
0.3964

 26.9615, 0.2576,  
0.4591


 195.0649, 0.2866,  
0.3914

 17.5443, 0.2475,  
0.4825

238.2899, 0.2884,  
0.3870

 10.6233, 0.2329,  
0.5158

287.4708, 0.2900,  
0.3833

 5.8142, 0.2106,  
0.5663


342.9917, 0.2914,

 2.7324, 0.1729,


0.3799


0.6536


405.2373, 0.2927,  
0.3770


 0.9937, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 74.0343, 0.2753,  
0.4179


 74.0343, 0.2753,  
0.4179


 72.0795, 0.2718,  
0.4383

 76.4959, 0.2804,  
0.3983

 70.5839, 0.2701,  
0.4589

 79.4896, 0.2867,  
0.3799


 69.5061, 0.2705,  
0.4792

 83.0496, 0.2939,  
0.3629

 68.7923, 0.2728,  
0.4986

 87.2045, 0.3017,  
0.3475

 68.4778, 0.2751,  
0.5102

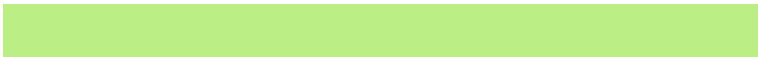
 91.9813, 0.3098,  
0.3336

 95.6189, 0.3130,  
0.3223

# Harmonies

## Analogous

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



74.0343, 0.3403, 0.4523



74.0343, 0.2753, 0.4179



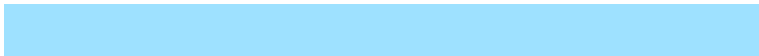
74.0343, 0.2238, 0.3505

# Triad

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



74.0343, 0.2753, 0.4179



74.0343, 0.2235, 0.2250



74.0343, 0.4441, 0.3509

# Complementary

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



74.0343, 0.2753, 0.4179



35.6809, 0.3860, 0.2574

# 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.



74.0343, 0.4065, 0.3010



74.0343, 0.2753, 0.4179



74.0343, 0.2740, 0.2321

# Square

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



74.0343, 0.2753, 0.4179



74.0343, 0.1973, 0.2415



74.0343, 0.3413, 0.2591



74.0343, 0.4406, 0.4013



# Rectangle

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



74.0343, 0.2753, 0.4179



74.0343, 0.2029, 0.3045



74.0343, 0.3413, 0.2591



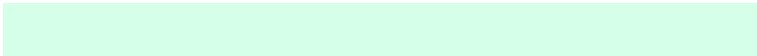
74.0343, 0.4359, 0.3338

# Sweetspot

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



74.0373, 0.2753, 0.4179



91.7767, 0.2998, 0.3510



78.8079, 0.3466, 0.4801



19.4442, 0.2982, 0.3542



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.



74.0373, 0.2753, 0.4179



76.6985, 0.2717, 0.4392



77.2895, 0.2460, 0.3341



19.4483, 0.3050, 0.3416



37.0175, 0.2743, 0.5073



3.4498, 0.2681, 0.4850



# Inverse Universe

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



35.6809, 0.3860, 0.2574



32.0342, 0.4081, 0.2470



33.5612, 0.4667, 0.3249



17.3757, 0.3212, 0.3168



11.6612, 0.4882, 0.2463

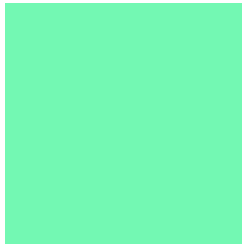


1.1015, 0.4627, 0.2323



# Previews

## White Background



This preview shows how the Yxy color 74.0343, 0.2753, 0.4179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

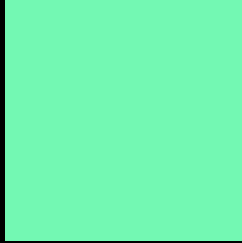
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.0343, 0.2753, 0.4179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

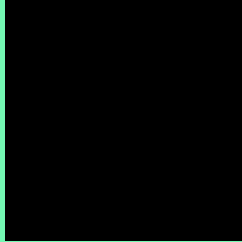
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

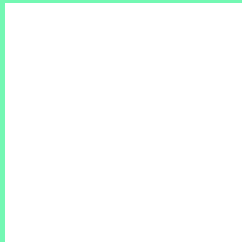
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.0343, 0.2753, 0.4179**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0343, 0.2753, 0.4179.

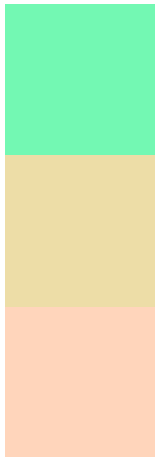


This preview shows how white text looks on a background with the Yxy color 74.0343, 0.2753, 0.4179.

# 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

74.0343, 0.2753, 0.4179

### Protanopia

72.5074, 0.3619, 0.3872

### Deuteranopia

72.4364, 0.3636, 0.3559



## Tritanopia

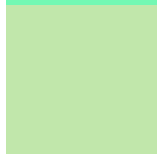
73.7177, 0.2501, 0.3081

# Trichromacy



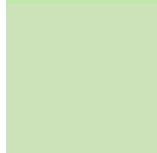
## Original Color

74.0343, 0.2753, 0.4179



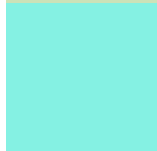
## Protanomaly

71.4296, 0.3243, 0.3999



## Deuteranomaly

70.6908, 0.3245, 0.3776



## Tritanomaly

73.4432, 0.2589, 0.3458

# Monochromacy



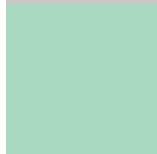
## Original Color

74.0343, 0.2753, 0.4179



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

61.8665, 0.2952, 0.3603

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0343, 0.2753, 0.4179 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(115, 248, 179)` looks like.

```
.text, #text, p{  
    color:rgb(115, 248, 179)  
}
```

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(115, 248, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 248, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0343, 0.2753, 0.4179 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(115, 248, 179) }
```

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

```
.border{ border-color:rgb(115, 248, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 248, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 248, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 248, 179);  
box-shadow:4px 4px 4px 4px rgb(115, 248,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0343, 0.2753, 0.4179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 248, 179) }
```

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

```
.background{ background-color: rgb(115,  
248, 179) }
```

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