

Converting Colors

$Y_{xy}(70.1374, 0.2533, 0.3940)$

Have a look what the booklet for
Yxy(70.1374, 0.2533, 0.3940)
contains.

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Color

Yxy(70.1374, 0.2533, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	4BF4C3
RGB	75, 244, 195
RGB Percent	29%, 96%, 76%
CMY	0.7066, 0.0431, 0.2353
CMYK	0.69, 0.00, 0.20, 0.04
HSL	163°, 89%, 63%
HSV	163°, 69%, 96%
XYZ	45.0909, 70.1374, 62.7854
YIQ	187.8830, -84.9950, -51.0670

Conversions

Conversions Part 2

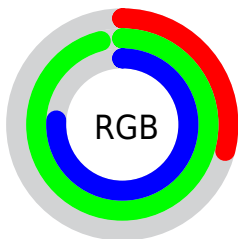
Format	Color
RYB	75, 174, 244
Decimal	4977859
CIELab	87.06, -54.28, 11.23
CIElCh	87, 55.432, 168.312
Yxy	70.1374, 0.2533, 0.3940
Android (android.graphics.Color)	4283167939 (0xFF4BF4C3)
YUV	187.8830, 3.5087, -98.9984
Hunter-Lab	83.7481, -50.4528, 14.1743

Details

The Yxy color **70.1374, 0.2533, 0.3940** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.6949, 0.4783, 0.2829**, and the grayscale version is **50.2079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3879, 0.2545, 0.3322**, and **37.4637, 0.2473, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **69.0281, 0.2510, 0.4051**, and if you desaturate by 10%, it is **71.6441, 0.2577, 0.3830**.

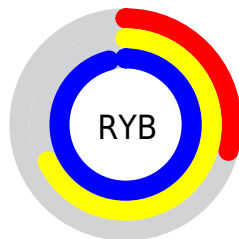
Distribution



Red (29%)

Green (96%)

Blue (76%)



Red (29%)

Yellow (68%)

Blue (96%)

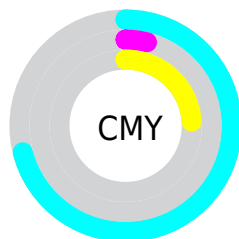


Cyan (69%)

Magenta (0%)

Yellow (20%)

Black (4%)



Cyan (71%)


Magenta (4%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1374, 0.2533, 0.3940 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 70.1374, 0.2533, 0.3940 by changing the saturation by 10% instead.


 70.1374, 0.2533,
0.3940


 70.1374, 0.2533,
0.3940


461.0323, 0.2814,
0.3625

 51.6386, 0.2467,
0.4016


 119.4047, 0.2632,
0.3828

 36.7171, 0.2386,
0.4111


 150.9419, 0.2670,
0.3785

 24.9885, 0.2282,
0.4234


 187.5940, 0.2702,
0.3749

 16.0685, 0.2144,
0.4401

 229.7455, 0.2731,
0.3717

 9.5726, 0.1955,
0.4637

277.7806, 0.2755,
0.3690

 5.1165, 0.1681,
0.4994


332.0839, 0.2777,

 2.3158, 0.1150,


0.3665

0.5659


393.0397, 0.2797,
0.3644

 0.7821, 0.0000,
0.9217


 0.0000, 0.0000,
0.0000


 70.1374, 0.2533,
0.3940

 70.1374, 0.2533,
0.3940


 69.0281, 0.2510,
0.4051


 71.6441, 0.2577,
0.3830


 68.2618, 0.2506,
0.4162


 73.5788, 0.2639,
0.3724

 67.7697, 0.2521,
0.4271


 75.9783, 0.2717,
0.3623


 67.7412, 0.2522,
0.4278


 78.8731, 0.2809,
0.3527

 82.2913, 0.2911,
0.3439

 86.2585, 0.3021,
0.3358

 90.7989, 0.3135,
0.3285

 92.9719, 0.3153,
0.3218

 93.1919, 0.3132,
0.3185

Harmonies

Analogous

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



70.1374, 0.3149, 0.4443



70.1374, 0.2533, 0.3940



70.1374, 0.2105, 0.3234

Triad

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



70.1374, 0.2533, 0.3940



70.1374, 0.2404, 0.2253



70.1374, 0.4474, 0.3706

Complementary

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



70.1374, 0.2533, 0.3940



25.6949, 0.4783, 0.2829

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.



70.1374, 0.4250, 0.3196



70.1374, 0.2533, 0.3940



70.1374, 0.2986, 0.2405

Square

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



70.1374, 0.2533, 0.3940



70.1374, 0.2046, 0.2324



70.1374, 0.3678, 0.2738



70.1374, 0.4288, 0.4186

Rectangle

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



70.1374, 0.2533, 0.3940



70.1374, 0.1966, 0.2818



70.1374, 0.3678, 0.2738



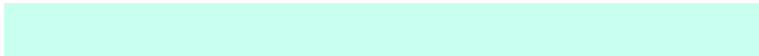
70.1374, 0.4446, 0.3534

Sweetspot

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



70.1402, 0.2533, 0.3940



90.2606, 0.2893, 0.3454



69.6209, 0.3253, 0.5371



19.0890, 0.2865, 0.3478



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.



70.1402, 0.2533, 0.3940



75.9217, 0.2506, 0.4094



54.2021, 0.2223, 0.2848



18.6712, 0.3019, 0.3359



36.8529, 0.2517, 0.4261



3.2568, 0.2479, 0.4123

Inverse Universe

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



25.6949, 0.4783, 0.2829



24.0266, 0.5300, 0.2852



30.6061, 0.5188, 0.3608



16.5615, 0.3248, 0.3222



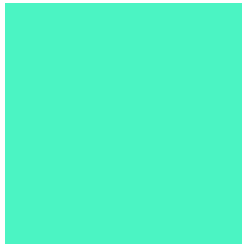
10.7236, 0.5800, 0.2969



0.9596, 0.5446, 0.2774

Previews

White Background



This preview shows how the Yxy color 70.1374, 0.2533, 0.3940 looks on a white background.

Color Contrast Check

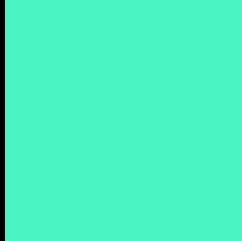
Large Text (above 18pt) WCAG AA × Fail

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 70.1374, 0.2533, 0.3940 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 70.1374, 0.2533, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 70.1374, 0.2533, 0.3940.

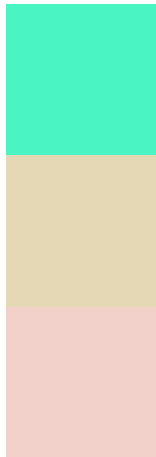


This preview shows how white text looks on a background with the Yxy color 70.1374, 0.2533, 0.3940.

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

70.1374, 0.2533, 0.3940

Protanopia

68.9419, 0.3462, 0.3678

Deuteranopia

68.7900, 0.3423, 0.3355



Tritanopia

70.0357, 0.2339, 0.3060

Trichromacy



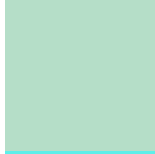
Original Color

70.1374, 0.2533, 0.3940



Protanomaly

66.7085, 0.3010, 0.3784



Deuteranomaly

66.2364, 0.2984, 0.3555



Tritanomaly

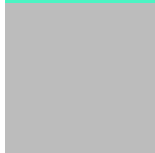
69.8915, 0.2405, 0.3363

Monochromacy



Original Color

70.1374, 0.2533, 0.3940



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.0764, 0.2808, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1374, 0.2533, 0.3940 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(75, 244, 195)` looks like.

```
.text, #text, p{  
    color:rgb(75, 244, 195)  
}
```

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(75, 244, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 244, 195) }
```

Border

The CSS property to change the border of an element to Yxy 70.1374, 0.2533, 0.3940 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(75, 244, 195) }
```

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

```
.border{ border-color:rgb(75, 244, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 244, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 244, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 244, 195);  
box-shadow:4px 4px 4px 4px rgb(75, 244,  
195) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.1374, 0.2533, 0.3940$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 244, 195) }
```

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

```
.background{ background-color: rgb(75, 244,  
195) }
```

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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