

Converting Colors

$Y_{xy}(70.1362, 0.2435, 0.3733)$

Have a look what the booklet for
Yxy(70.1362, 0.2435, 0.3733)
contains.

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Color

Yxy(70.3152, 0.2435, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	3CF4D2
RGB	60, 244, 210
RGB Percent	24%, 96%, 82%
CMY	0.7643, 0.0431, 0.1764
CMYK	0.75, 0.00, 0.14, 0.04
HSL	169°, 89%, 60%
HSV	169°, 75%, 96%
XYZ	45.8536, 70.3152, 72.1418
YIQ	185.1080, -98.7500, -49.5820

Conversions

Conversions Part 2

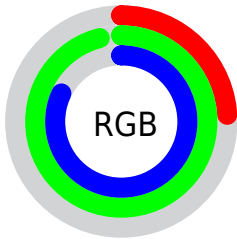
Format	Color
RYB	60, 161, 244
Decimal	3994834
CIELab	87.15, -52.47, 3.49
CIElCh	87, 52.587, 176.195
Yxy	70.3152, 0.2435, 0.3734
Android (android.graphics.Color)	4282184914 (0xFF3CF4D2)
YUV	185.1080, 12.2718, -109.7197
Hunter-Lab	83.8542, -49.1363, 7.6893

Details

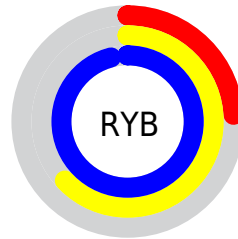
The Yxy color **70.3152, 0.2435, 0.3734** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.2856, 0.5306, 0.3017**, and the grayscale version is **48.5700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **37.9409, 0.2395, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **69.5021, 0.2415, 0.3802**, and if you desaturate by 10%, it is **71.4902, 0.2475, 0.3667**.

Distribution



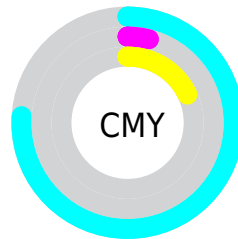
- Red (24%)
- Green (96%)
- Blue (82%)



- Red (24%)
- Yellow (63%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)





- Cyan (76%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3152, 0.2435, 0.3734 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 70.3152, 0.2435, 0.3734 by changing the saturation by 10% instead.


 70.3152, 0.2435,
0.3734

 70.3152, 0.2435,
0.3734

461.6560, 0.2756,
0.3525


 51.7835, 0.2362,
0.3782


 119.6581, 0.2546,
0.3661


 36.8326, 0.2272,
0.3843


 151.2382, 0.2590,
0.3633

 25.0779, 0.2158,
0.3919


 187.9365, 0.2627,
0.3608

 16.1351, 0.2010,
0.4020

 230.1375, 0.2660,
0.3587

 9.6198, 0.1811,
0.4159

278.2256, 0.2688,
0.3569

 5.1476, 0.1533,
0.4359

332.5851, 0.2713,

 2.3341, 0.1056,

0.3553

0.4704

393.6004, 0.2736,
0.3538

0.7917, 0.0000,
0.5616

0.0000, 0.0000,
0.0000

70.3152, 0.2435,
0.3734

70.3152, 0.2435,
0.3734

69.5021, 0.2415,
0.3802

71.4902, 0.2475,
0.3667


68.9902, 0.2413,
0.3869

73.0616, 0.2535,
0.3600


68.8192, 0.2417,
0.3899


75.0686, 0.2613,
0.3536


77.5437, 0.2707,
0.3475

 80.5162, 0.2814,
0.3417

 84.0129, 0.2932,
0.3363

 88.0588, 0.3058,
0.3314

 92.6187, 0.3186,
0.3270

 92.8990, 0.3159,
0.3227

Harmonies

Analogous

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



70.3152, 0.2988, 0.4288



70.3152, 0.2435, 0.3734



70.3152, 0.2087, 0.3075

Triad

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



70.3152, 0.2435, 0.3734



70.3152, 0.2567, 0.2319



70.3152, 0.4395, 0.3820

Complementary

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



70.3152, 0.2435, 0.3734



23.2856, 0.5306, 0.3017

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.



70.3152, 0.4285, 0.3331



70.3152, 0.2435, 0.3734



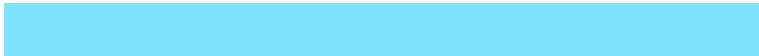
70.3152, 0.3165, 0.2513

Square

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



70.3152, 0.2435, 0.3734



70.3152, 0.2162, 0.2329



70.3152, 0.3814, 0.2872



70.3152, 0.4133, 0.4247

Rectangle

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



70.3152, 0.2435, 0.3734



70.3152, 0.1999, 0.2717



70.3152, 0.3814, 0.2872



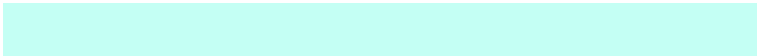
70.3152, 0.4403, 0.3658

Sweetspot

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



70.3179, 0.2435, 0.3734



89.8444, 0.2841, 0.3404



67.5622, 0.3148, 0.5585



18.9514, 0.2799, 0.3424



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.



70.3179, 0.2435, 0.3734



76.5168, 0.2412, 0.3834



43.8182, 0.2110, 0.2543



18.7022, 0.3005, 0.3334



37.4401, 0.2414, 0.3889



3.3039, 0.2390, 0.3805

Inverse Universe

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



23.2856, 0.5306, 0.3017



22.3930, 0.5876, 0.3086



31.8846, 0.5255, 0.3783



16.5325, 0.3264, 0.3246



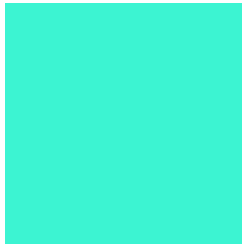
10.5757, 0.6115, 0.3142



0.9429, 0.5790, 0.2963

Previews

White Background



This preview shows how the Yxy color 70.3152, 0.2435, 0.3734 looks on a white background.

Color Contrast Check

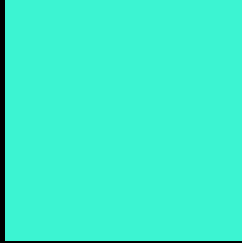
Large Text (above 18pt) WCAG AA × Fail

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 70.3152, 0.2435, 0.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

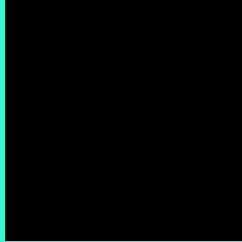
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

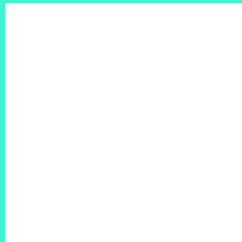
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3152, 0.2435, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 70.3152, 0.2435, 0.3734.

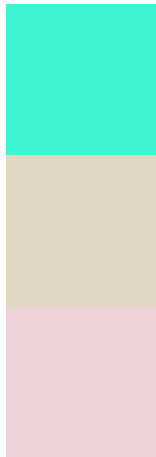


This preview shows how white text looks on a background with the Yxy color 70.3152, 0.2435, 0.3734.

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

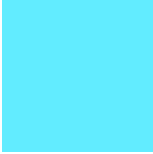
70.3152, 0.2435, 0.3734

Protanopia

69.0594, 0.3339, 0.3523

Deuteranopia

69.1597, 0.3274, 0.3206



Tritanopia

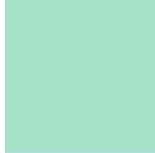
69.8076, 0.2326, 0.3059

Trichromacy



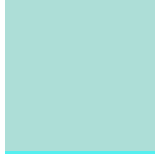
Original Color

70.3152, 0.2435, 0.3734



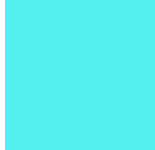
Protanomaly

66.5622, 0.2882, 0.3610



Deuteranomaly

66.0331, 0.2841, 0.3373



Tritanomaly

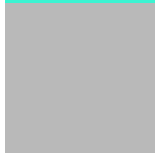
69.8498, 0.2358, 0.3288

Monochromacy



Original Color

70.3152, 0.2435, 0.3734



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.6131, 0.2743, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3152, 0.2435, 0.3734 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(60, 244, 210)` looks like.

```
.text, #text, p{  
    color:rgb(60, 244, 210)  
}
```

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(60, 244, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 244, 210) }
```

Border

The CSS property to change the border of an element to Yxy 70.3152, 0.2435, 0.3734 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(60, 244, 210) }
```

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

```
.border{ border-color:rgb(60, 244, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 244, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 244, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 244, 210);  
box-shadow:4px 4px 4px 4px rgb(60, 244,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3152, 0.2435, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 244, 210) }
```

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

```
.background{ background-color: rgb(60, 244,  
210) }
```

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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