

Converting Colors

$Yxy(70.5297, 0.2431, 0.3110)$

Have a look what the booklet for
Yxy(70.5297, 0.2431, 0.3110)
contains.

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Color

Yxy(70.5297, 0.2431, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	7BEBFA
RGB	123, 235, 250
RGB Percent	48%, 92%, 98%
CMY	0.5175, 0.0784, 0.0197
CMYK	0.51, 0.06, 0.00, 0.02
HSL	187°, 93%, 73%
HSV	187°, 51%, 98%
XYZ	55.1311, 70.5297, 101.1228
YIQ	203.2220, -71.5670, -19.0790

Conversions

Conversions Part 2

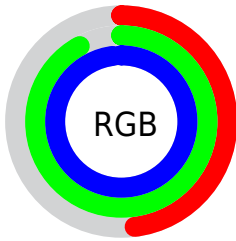
Format	Color
RYB	123, 183, 250
Decimal	8121338
CIELab	87.26, -28.08, -17.10
CIELCh	87, 32.880, 211.344
Yxy	70.5297, 0.2431, 0.3110
Android (android.graphics.Color)	4286311418 (0xFF7BEBFA)
YUV	203.2220, 23.0616, -70.3547
Hunter-Lab	83.9820, -29.7897, -12.6038

Details

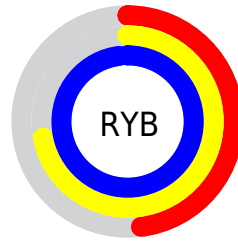
The Yxy color **70.5297, 0.2431, 0.3110** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.9265, 0.4501, 0.3450**, and the grayscale version is **59.7595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **37.0348, 0.2274, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **67.2440, 0.2335, 0.3069**, and if you desaturate by 10%, it is **74.3194, 0.2544, 0.3150**.

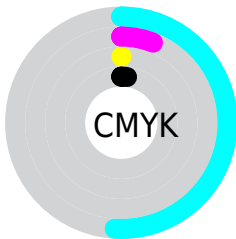
Distribution



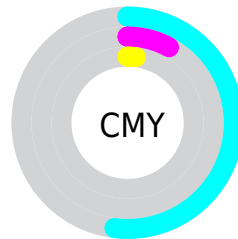
- Red (48%)
- Green (92%)
- Blue (98%)



- Red (48%)
- Yellow (72%)
- Blue (98%)



- Cyan (51%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)





- Cyan (52%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5297, 0.2431, 0.3110 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 70.5297, 0.2431, 0.3110 by changing the saturation by 10% instead.


 70.5297, 0.2431,
0.3110


 70.5297, 0.2431,
0.3110


462.4077, 0.2746,
0.3202


 51.9585, 0.2361,
0.3087


 119.9638, 0.2539,
0.3144

 36.9720, 0.2276,
0.3058


 151.5955, 0.2581,
0.3156

 25.1858, 0.2170,
0.3019


 188.3495, 0.2618,
0.3167

 16.2155, 0.2035,
0.2966

230.6102, 0.2650,
0.3176

 9.6768, 0.1857,
0.2890

278.7620, 0.2678,
0.3184

 5.1852, 0.1616,
0.2774

333.1892, 0.2703,

 2.3563, 0.1275,

0.3191

0.2579

394.2763, 0.2726,
0.3197

■ 0.8033, 0.0227,
0.2343

■ 0.0000, 0.0000,
0.0000

■ 70.5297, 0.2431,
0.3110

■ 70.5297, 0.2431,
0.3110

■ 67.2440, 0.2335,
0.3069

■ 74.3194, 0.2544,
0.3150

■ 64.4174, 0.2258,
0.3027


■ 78.6377, 0.2672,
0.3188

■ 62.0107, 0.2201,
0.2986

■ 83.5174, 0.2812,
0.3224


■ 59.9733, 0.2163,
0.2944

■ 88.9860, 0.2961,
0.3257

 58.3482, 0.2141,
0.2907

 95.0692, 0.3115,
0.3288

 98.2123, 0.3157,
0.3316

 99.6801, 0.3156,
0.3338

Harmonies

Analogous

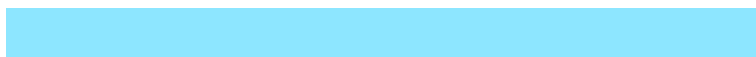
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5297, 0.2642, 0.3499



70.5297, 0.2431, 0.3110



70.5297, 0.2395, 0.2808

Triad

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



70.5297, 0.2431, 0.3110



70.5297, 0.3231, 0.2815



70.5297, 0.3729, 0.3944

Complementary

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



70.5297, 0.2431, 0.3110



39.9265, 0.4501, 0.3450

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.



70.5297, 0.3914, 0.3710



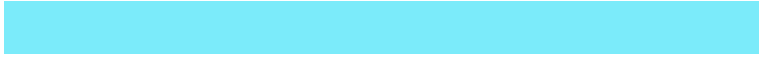
70.5297, 0.2431, 0.3110



70.5297, 0.3620, 0.3075

Square

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



70.5297, 0.2431, 0.3110



70.5297, 0.2835, 0.2664



70.5297, 0.3876, 0.3394



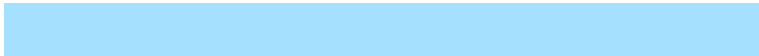
70.5297, 0.3386, 0.4007

Rectangle

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



70.5297, 0.2431, 0.3110



70.5297, 0.2471, 0.2688



70.5297, 0.3876, 0.3394



70.5297, 0.3812, 0.3880

Sweetspot

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



70.5324, 0.2431, 0.3110



90.6099, 0.2897, 0.3243



74.3955, 0.2985, 0.4733



19.1367, 0.2865, 0.3236



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.



70.5324, 0.2431, 0.3110



70.2705, 0.2333, 0.3068



40.5024, 0.2270, 0.2292



19.2386, 0.2980, 0.3261



31.0986, 0.2143, 0.2913



2.9760, 0.2156, 0.2962

Inverse Universe

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



40.4915, 0.3321, 0.2187



36.3638, 0.3369, 0.2009



63.6676, 0.4118, 0.4100



17.4873, 0.3156, 0.3083



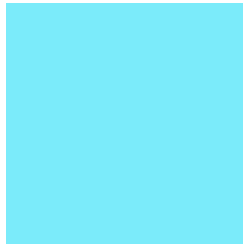
13.5503, 0.3531, 0.1719



1.2647, 0.3487, 0.1695

Previews

White Background



This preview shows how the Yxy color 70.5297, 0.2431, 0.3110 looks on a white background.

Color Contrast Check

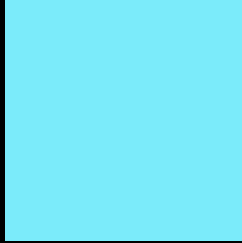
Large Text (above 18pt) WCAG AA × Fail

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 70.5297, 0.2431, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

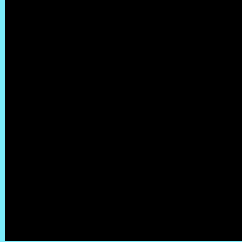
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5297, 0.2431, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 70.5297, 0.2431, 0.3110.

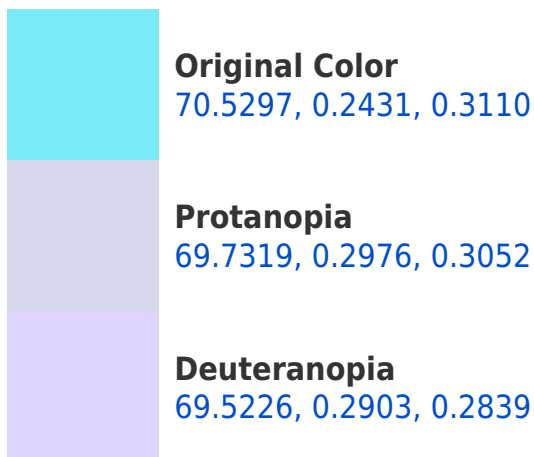


This preview shows how white text looks on a background with the Yxy color 70.5297, 0.2431, 0.3110.

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





Tritanopia

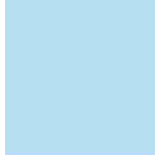
70.2226, 0.2419, 0.3063

Trichromacy



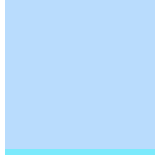
Original Color

70.5297, 0.2431, 0.3110



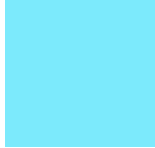
Protanomaly

69.1312, 0.2743, 0.3073



Deuteranomaly

68.5925, 0.2698, 0.2922



Tritanomaly

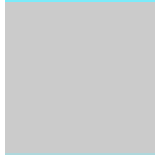
70.1590, 0.2424, 0.3075

Monochromacy



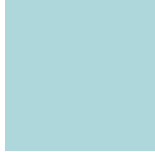
Original Color

70.5297, 0.2431, 0.3110



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

62.7669, 0.2813, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5297, 0.2431, 0.3110 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, 235, 250)` looks like.

```
.text, #text, p{  
    color:rgb(123, 235, 250)  
}
```

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, 235, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 235, 250) }
```

Border

The CSS property to change the border of an element to Yxy 70.5297, 0.2431, 0.3110 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, 235, 250) }
```

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

```
.border{ border-color:rgb(123, 235, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 235, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(123, 235,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5297, 0.2431, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 235, 250) }
```

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

```
.background{ background-color: rgb(123,  
235, 250) }
```

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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