

Converting Colors

$Yxy(69.8966, 0.2453, 0.3175)$

Have a look what the booklet for
Yxy(69.8966, 0.2453, 0.3175)
contains.

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Color

Yxy(70.0859, 0.2453, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	7AEBF4
RGB	122, 235, 244
RGB Percent	48%, 92%, 96%
CMY	0.5214, 0.0784, 0.0432
CMYK	0.50, 0.04, 0.00, 0.04
HSL	184°, 85%, 72%
HSV	184°, 50%, 96%
XYZ	54.0631, 70.0859, 96.2469
YIQ	202.2390, -70.2370, -21.1570

Conversions

Conversions Part 2

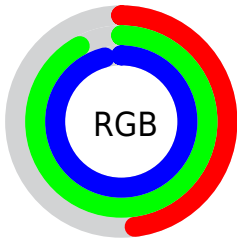
Format	Color
R _Y B	122, 181, 244
Decimal	8055796
CIE Lab	87.04, -29.86, -14.29
CIE LCh	87, 33.100, 205.576
Yxy	70.0859, 0.2453, 0.3180
Android (android.graphics.Color)	4286245876 (0xFF7AEBF4)
YUV	202.2390, 20.5882, -70.3696
Hunter-Lab	83.7173, -31.2333, -9.5615

Details

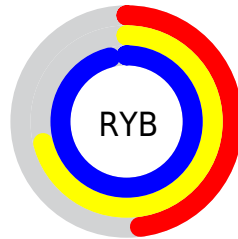
The Yxy color **70.0859, 0.2453, 0.3180** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.8685, 0.4499, 0.3390**, and the grayscale version is **59.1265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **36.7409, 0.2300, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **67.5022, 0.2361, 0.3155**, and if you desaturate by 10%, it is **73.1324, 0.2563, 0.3205**.

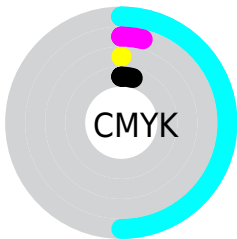
Distribution



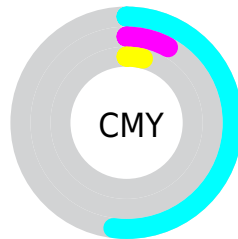
- Red (48%)
- Green (92%)
- Blue (96%)



- Red (48%)
- Yellow (71%)
- Blue (96%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)





- Cyan (52%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0859, 0.2453, 0.3180 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 70.0859, 0.2453, 0.3180 by changing the saturation by 10% instead.


 70.0859, 0.2453,
0.3180


 70.0859, 0.2453,
0.3180


460.8516, 0.2759,
0.3239

 51.5966, 0.2385,
0.3164


 119.3312, 0.2558,
0.3202

 36.6836, 0.2301,
0.3144


 150.8560, 0.2599,
0.3210

 24.9626, 0.2197,
0.3117


 187.4948, 0.2635,
0.3217

 16.0492, 0.2064,
0.3079

229.6319, 0.2666,
0.3223

 9.5590, 0.1888,
0.3023

277.6517, 0.2693,
0.3228

 5.1075, 0.1647,
0.2934

331.9387, 0.2718,

 2.3105, 0.1303,

0.3232

0.2778

392.8772, 0.2740,
0.3236

0.7793, 0.0040,
0.2654

0.0000, 0.0000,
0.0000

70.0859, 0.2453,
0.3180

70.0859, 0.2453,
0.3180

67.5022, 0.2361,
0.3155

73.1324, 0.2563,
0.3205

65.3390, 0.2289,
0.3129

76.6642, 0.2688,
0.3228

63.5600, 0.2236,
0.3104


80.7118, 0.2825,
0.3250


62.1187, 0.2201,
0.3079

85.3011, 0.2973,
0.3271

 60.9377, 0.2182,
0.3054

 90.4561, 0.3127,
0.3290

 60.9357, 0.2182,
0.3054

 93.5653, 0.3198,
0.3308

 94.6614, 0.3196,
0.3325

 95.7682, 0.3195,
0.3342

 96.8856, 0.3194,
0.3359

Harmonies

Analogous

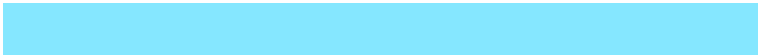
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0859, 0.2696, 0.3576



70.0859, 0.2453, 0.3180



70.0859, 0.2382, 0.2851

Triad

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



70.0859, 0.2453, 0.3180



70.0859, 0.3151, 0.2772



70.0859, 0.3785, 0.3914

Complementary

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



70.0859, 0.2453, 0.3180



36.8685, 0.4499, 0.3390

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.



70.0859, 0.3932, 0.3655



70.0859, 0.2453, 0.3180



70.0859, 0.3555, 0.3017

Square

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



70.0859, 0.2453, 0.3180



70.0859, 0.2765, 0.2645



70.0859, 0.3849, 0.3331



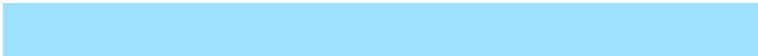
70.0859, 0.3462, 0.4018

Rectangle

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



70.0859, 0.2453, 0.3180



70.0859, 0.2435, 0.2710



70.0859, 0.3849, 0.3331



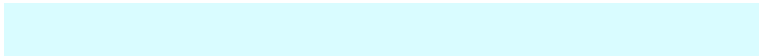
70.0859, 0.3857, 0.3841

Sweetspot

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



70.0886, 0.2453, 0.3180



91.6707, 0.2897, 0.3261



70.4433, 0.3015, 0.4783



19.3949, 0.2866, 0.3256



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

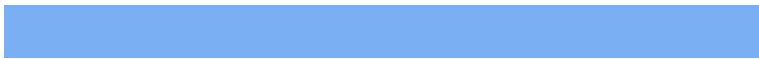
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0886, 0.2453, 0.3180



74.5905, 0.2360, 0.3155



41.2809, 0.2301, 0.2395



18.5368, 0.2981, 0.3272



33.2289, 0.2183, 0.3058



2.9817, 0.2192, 0.3089

Inverse Universe

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



39.1538, 0.3266, 0.2158



37.2787, 0.3298, 0.1974



57.9547, 0.4133, 0.4027



16.7460, 0.3149, 0.3074



13.4538, 0.3403, 0.1648



1.1886, 0.3376, 0.1634

Previews

White Background



This preview shows how the Yxy color 70.0859, 0.2453, 0.3180 looks on a white background.

Color Contrast Check

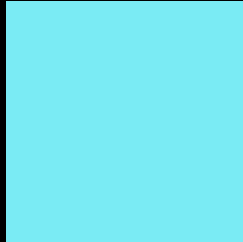
Large Text (above 18pt) WCAG AA × Fail

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 70.0859, 0.2453, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

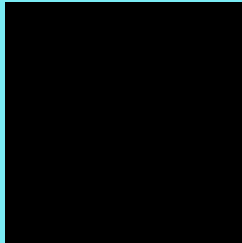
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0859, 0.2453, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 70.0859, 0.2453, 0.3180.

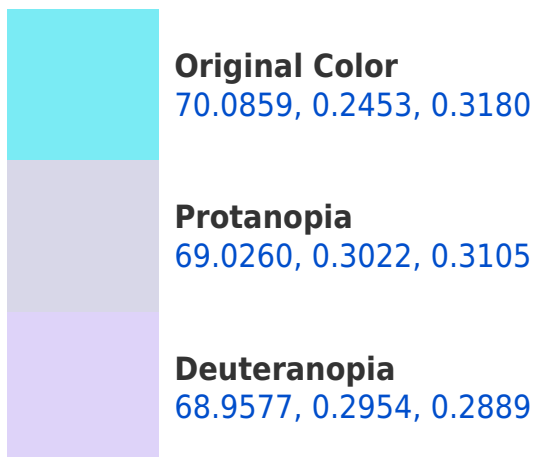


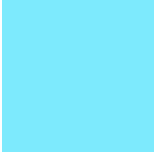
This preview shows how white text looks on a background with the Yxy color 70.0859, 0.2453, 0.3180.

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

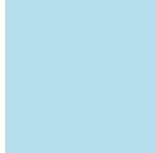
70.2975, 0.2423, 0.3063

Trichromacy



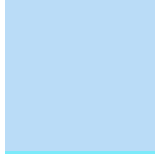
Original Color

70.0859, 0.2453, 0.3180



Protanomaly

68.2438, 0.2776, 0.3129



Deuteranomaly

68.3409, 0.2737, 0.2986



Tritanomaly

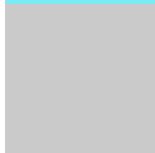
70.0329, 0.2432, 0.3098

Monochromacy



Original Color

70.0859, 0.2453, 0.3180



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.9871, 0.2823, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0859, 0.2453, 0.3180 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(122, 235, 244)` looks like.

```
.text, #text, p{  
    color:rgb(122, 235, 244)  
}
```

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(122, 235, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 235, 244) }
```

Border

The CSS property to change the border of an element to Yxy 70.0859, 0.2453, 0.3180 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(122, 235, 244) }
```

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

```
.border{ border-color:rgb(122, 235, 244) }
```

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

Here you see how a box with a 4 pixel rgb(122, 235, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 235, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 235, 244);  
box-shadow:4px 4px 4px 4px rgb(122, 235,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0859, 0.2453, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 235, 244) }
```

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

```
.background{ background-color: rgb(122,  
235, 244) }
```

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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