

# Converting Colors

$Yxy(70.7022, 0.2479, 0.3163)$

Have a look what the booklet for  
Yxy(70.7022, 0.2479, 0.3163)  
contains.

<b>Yxy(70.7551, 0.2481, 0.3169)</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(70.7551, 0.2481, 0.3169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82EBF5
RGB	130, 235, 245
RGB Percent	51%, 92%, 96%
CMY	0.4902, 0.0784, 0.0392
CMYK	0.47, 0.04, 0.00, 0.04
HSL	185°, 85%, 74%
HSV	185°, 47%, 96%
XYZ	55.3939, 70.7551, 97.1236
YIQ	204.7450, -65.7900, -19.1500

# Conversions

## Conversions Part 2

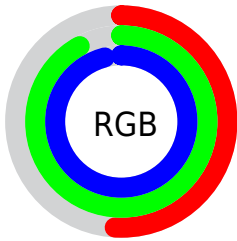
Format	Color
R <sub>Y</sub> B	130, 185, 245
Decimal	8580085
CIE Lab	87.37, -27.89, -14.31
CIE LCh	87, 31.349, 207.154
Yxy	70.7551, 0.2481, 0.3169
Android (android.graphics.Color)	4286770165 (0xFF82EBF5)
YUV	204.7450, 19.8457, -65.5514
Hunter-Lab	84.1161, -29.6534, -9.5773

# Details

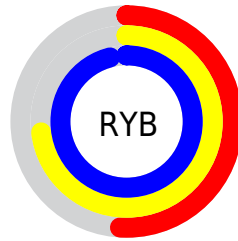
The Yxy color **70.7551, 0.2481, 0.3169** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.7760, 0.4366, 0.3401**, and the grayscale version is **60.7828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **37.1795, 0.2337, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **67.8338, 0.2382, 0.3139**, and if you desaturate by 10%, it is **74.1576, 0.2597, 0.3198**.

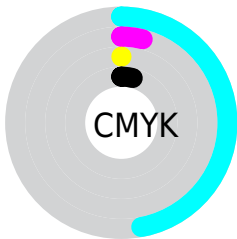
# Distribution



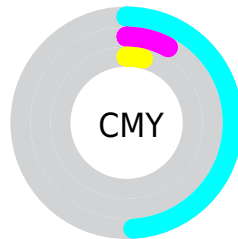
- Red (51%)
- Green (92%)
- Blue (96%)



- Red (51%)
- Yellow (73%)
- Blue (96%)



- Cyan (47%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)




- Cyan (49%)
- Magenta (8%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7551, 0.2481, 0.3169 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 70.7551, 0.2481, 0.3169 by changing the saturation by 10% instead.





 70.7551, 0.2481,  
0.3169


 70.7551, 0.2481,  
0.3169


463.1969, 0.2774,  
0.3233


 52.1424, 0.2416,  
0.3153


 120.2850, 0.2582,  
0.3193

 37.1186, 0.2336,  
0.3132


 151.9709, 0.2621,  
0.3201

 25.2993, 0.2236,  
0.3104


 188.7833, 0.2655,  
0.3209

 16.3002, 0.2108,  
0.3065

231.1066, 0.2685,  
0.3215

 9.7368, 0.1940,  
0.3008

279.3252, 0.2711,  
0.3220

 5.2248, 0.1708,  
0.2919

333.8236, 0.2735,

 2.3798, 0.1376,

0.3225

0.2764

394.9860, 0.2756,  
0.3229

0.8154, 0.0301,  
0.2610

0.0000, 0.0000,  
0.0000

70.7551, 0.2481,  
0.3169

70.7551, 0.2481,  
0.3169

67.8338, 0.2382,  
0.3139

74.1576, 0.2597,  
0.3198

65.3522, 0.2302,  
0.3109


78.0632, 0.2727,  
0.3225

63.2752, 0.2241,  
0.3079

82.5021, 0.2869,  
0.3251

61.5587, 0.2199,  
0.3049


87.4998, 0.3019,  
0.3275


 60.1460, 0.2175,  
0.3020

 93.0800, 0.3175,  
0.3296

 59.7477, 0.2170,  
0.3011

 94.8532, 0.3190,  
0.3317

 96.1684, 0.3189,  
0.3337

 97.4986, 0.3187,  
0.3358

 98.8437, 0.3186,  
0.3378

# Harmonies

## Analogous

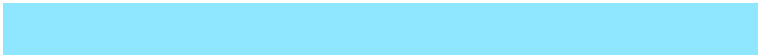
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7551, 0.2704, 0.3541



70.7551, 0.2481, 0.3169



70.7551, 0.2422, 0.2864

# Triad

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



70.7551, 0.2481, 0.3169



70.7551, 0.3172, 0.2809



70.7551, 0.3737, 0.3891

# Complementary

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



70.7551, 0.2481, 0.3169



39.7760, 0.4366, 0.3401

# 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.



70.7551, 0.3885, 0.3653



70.7551, 0.2481, 0.3169



70.7551, 0.3550, 0.3046

# Square

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



70.7551, 0.2481, 0.3169



70.7551, 0.2802, 0.2681



70.7551, 0.3817, 0.3347



70.7551, 0.3426, 0.3976

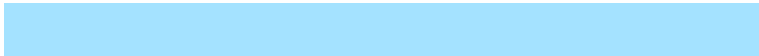


# Rectangle

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



70.7551, 0.2481, 0.3169



70.7551, 0.2479, 0.2734



70.7551, 0.3817, 0.3347



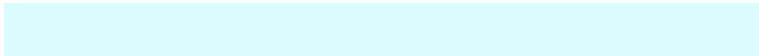
70.7551, 0.3808, 0.3824

# Sweetspot

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



70.7578, 0.2481, 0.3169



91.8830, 0.2912, 0.3258



71.9316, 0.3012, 0.4654



19.4226, 0.2880, 0.3253



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.



70.7578, 0.2481, 0.3169



74.5337, 0.2390, 0.3142



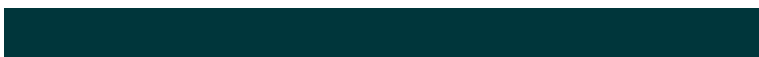
43.1432, 0.2346, 0.2434



18.4970, 0.2981, 0.3269



32.2906, 0.2171, 0.3015



2.9091, 0.2181, 0.3053



# Inverse Universe

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



41.3738, 0.3270, 0.2232



39.3388, 0.3303, 0.2057



60.9930, 0.4049, 0.4005



16.7420, 0.3151, 0.3077



13.3591, 0.3441, 0.1669

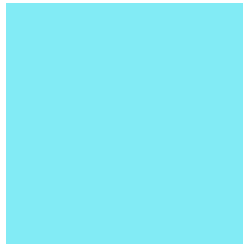


1.1813, 0.3408, 0.1651



# Previews

## White Background



This preview shows how the Yxy color 70.7551, 0.2481, 0.3169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

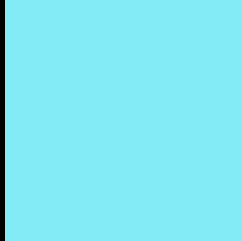
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7551, 0.2481, 0.3169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

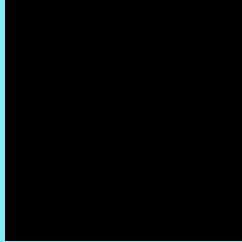
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.7551, 0.2481, 0.3169**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7551, 0.2481, 0.3169.

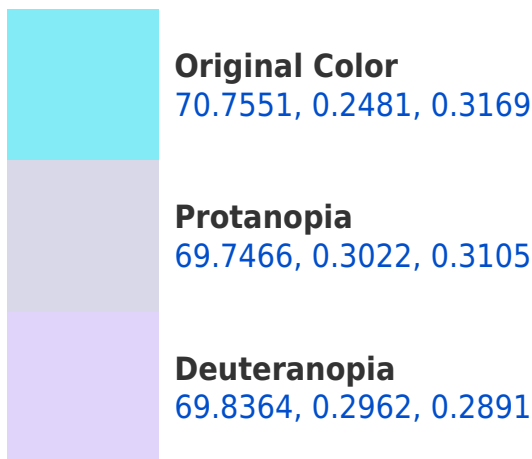


This preview shows how white text looks on a background with the Yxy color 70.7551, 0.2481, 0.3169.

# 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

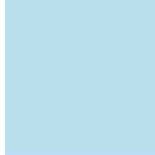
70.8430, 0.2452, 0.3065

# Trichromacy



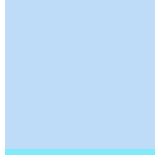
## Original Color

70.7551, 0.2481, 0.3169



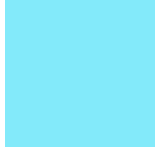
## Protanomaly

69.2041, 0.2790, 0.3130



## Deuteranomaly

68.9109, 0.2756, 0.2978



## Tritanomaly

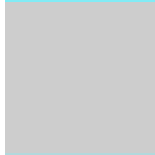
70.5731, 0.2461, 0.3099

# Monochromacy



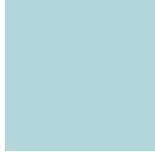
## Original Color

70.7551, 0.2481, 0.3169



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

63.7440, 0.2839, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7551, 0.2481, 0.3169 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(130, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(130, 235, 245)  
}
```

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(130, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 235, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7551, 0.2481, 0.3169 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(130, 235, 245) }
```

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

```
.border{ border-color:rgb(130, 235, 245) }
```

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

Here you see how a box with a 4 pixel rgb(130, 235, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 235, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 235, 245);  
box-shadow:4px 4px 4px 4px rgb(130, 235,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7551, 0.2481, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 235, 245) }
```

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

```
.background{ background-color: rgb(130,  
235, 245) }
```

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