

Converting Colors

$Y_{xy}(70.3879, 0.2385, 0.3140)$

Have a look what the booklet for
Yxy(70.3879, 0.2385, 0.3140)
contains.

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Color

Yxy(70.5961, 0.2385, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	6CEDF9
RGB	108, 237, 249
RGB Percent	42%, 93%, 98%
CMY	0.5765, 0.0706, 0.0234
CMYK	0.57, 0.05, 0.00, 0.02
HSL	185°, 92%, 70%
HSV	185°, 57%, 98%
XYZ	53.5704, 70.5961, 100.4473
YIQ	199.7970, -80.7360, -23.6160

Conversions

Conversions Part 2

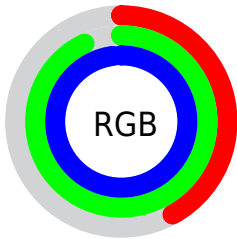
Format	Color
RYB	108, 175, 249
Decimal	7138809
CIELab	87.29, -32.19, -16.61
CIELCh	87, 36.227, 207.294
Yxy	70.5961, 0.2385, 0.3143
Android (android.graphics.Color)	4285328889 (0xFF6CEDF9)
YUV	199.7970, 24.2571, -80.5060
Hunter-Lab	84.0215, -33.2297, -12.0659

Details

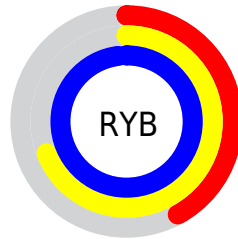
The Yxy color **70.5961, 0.2385, 0.3143** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **34.6678, 0.4779, 0.3416**, and the grayscale version is **57.5153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **37.1592, 0.2221, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **68.0314, 0.2304, 0.3113**, and if you desaturate by 10%, it is **73.6265, 0.2484, 0.3172**.

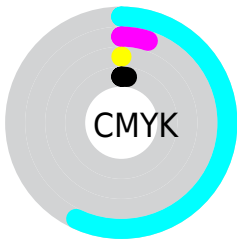
Distribution



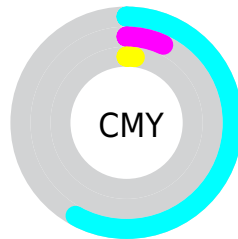
- Red (42%)
- Green (93%)
- Blue (98%)



- Red (42%)
- Yellow (69%)
- Blue (98%)



- Cyan (57%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)




- Cyan (58%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5961, 0.2385, 0.3143 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 70.5961, 0.2385, 0.3143 by changing the saturation by 10% instead.


 70.5961, 0.2385,
0.3143


 70.5961, 0.2385,
0.3143


462.6403, 0.2720,
0.3221

 52.0127, 0.2311,
0.3123


 120.0584, 0.2499,
0.3172

 37.0152, 0.2220,
0.3097


 151.7061, 0.2545,
0.3183

 25.2192, 0.2108,
0.3062


 188.4773, 0.2584,
0.3192

 16.2405, 0.1966,
0.3014

230.7565, 0.2618,
0.3199

 9.6945, 0.1779,
0.2944

278.9280, 0.2648,
0.3206

 5.1969, 0.1526,
0.2834

333.3761, 0.2675,

 2.3632, 0.1174,

0.3212

0.2647

394.4854, 0.2699,
0.3217

0.8069, 0.0000,
0.2448

0.0000, 0.0000,
0.0000

70.5961, 0.2385,
0.3143

70.5961, 0.2385,
0.3143

68.0314, 0.2304,
0.3113

73.6265, 0.2484,
0.3172

65.8853, 0.2243,
0.3084


77.1490, 0.2601,
0.3200

64.1145, 0.2202,
0.3054

81.1977, 0.2731,
0.3227


62.6613, 0.2177,
0.3025


85.8009, 0.2874,
0.3252

 62.2130, 0.2171,
0.3016

 90.9852, 0.3024,
0.3276

 96.3134, 0.3165,
0.3297

 97.6390, 0.3163,
0.3317

 98.9795, 0.3162,
0.3337

 99.6213, 0.3162,
0.3347

Harmonies

Analogous

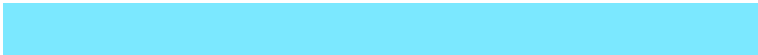
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5961, 0.2637, 0.3578



70.5961, 0.2385, 0.3143



70.5961, 0.2320, 0.2794

Triad

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



70.5961, 0.2385, 0.3143



70.5961, 0.3178, 0.2741



70.5961, 0.3827, 0.3980

Complementary

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



70.5961, 0.2385, 0.3143



34.6678, 0.4779, 0.3416

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.



70.5961, 0.4003, 0.3702



70.5961, 0.2385, 0.3143



70.5961, 0.3617, 0.3010

Square

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



70.5961, 0.2385, 0.3143



70.5961, 0.2753, 0.2595



70.5961, 0.3928, 0.3352



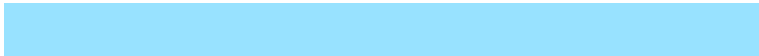
70.5961, 0.3466, 0.4087

Rectangle

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



70.5961, 0.2385, 0.3143



70.5961, 0.2385, 0.2649



70.5961, 0.3928, 0.3352



70.5961, 0.3911, 0.3901

Sweetspot

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



70.5988, 0.2385, 0.3143



90.3489, 0.2868, 0.3251



72.3072, 0.2994, 0.4983



19.1199, 0.2838, 0.3246



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.



70.5988, 0.2385, 0.3143



71.4411, 0.2294, 0.3109



37.5805, 0.2185, 0.2216



19.3404, 0.2980, 0.3269



33.3979, 0.2172, 0.3020



3.1656, 0.2182, 0.3055

Inverse Universe

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



36.9852, 0.3303, 0.2045



33.5383, 0.3343, 0.1869



58.1707, 0.4284, 0.4135



17.4975, 0.3151, 0.3076



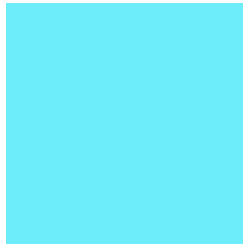
13.7824, 0.3436, 0.1667



1.2838, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 70.5961, 0.2385, 0.3143 looks on a white background.

Color Contrast Check

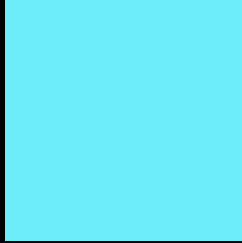
Large Text (above 18pt) WCAG AA × Fail

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 70.5961, 0.2385, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

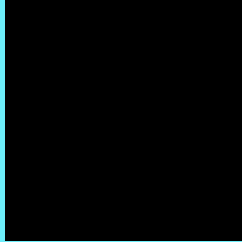
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5961, 0.2385, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 70.5961, 0.2385, 0.3143.

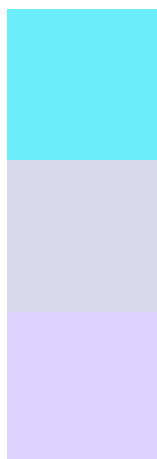


This preview shows how white text looks on a background with the Yxy color 70.5961, 0.2385, 0.3143.

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

70.5961, 0.2385, 0.3143

Protanopia

69.7668, 0.2996, 0.3073

Deuteranopia

69.4584, 0.2910, 0.2849



Tritanopia

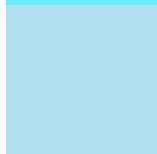
70.5904, 0.2368, 0.3062

Trichromacy



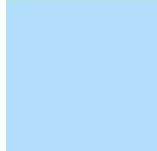
Original Color

70.5961, 0.2385, 0.3143



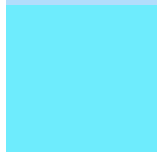
Protanomaly

69.0093, 0.2720, 0.3094



Deuteranomaly

68.3249, 0.2669, 0.2941



Tritanomaly

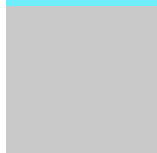
70.3978, 0.2373, 0.3085

Monochromacy



Original Color

70.5961, 0.2385, 0.3143



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.8659, 0.2778, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5961, 0.2385, 0.3143 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(108, 237, 249)` looks like.

```
.text, #text, p{  
    color:rgb(108, 237, 249)  
}
```

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(108, 237, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 237, 249) }
```

Border

The CSS property to change the border of an element to Yxy 70.5961, 0.2385, 0.3143 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(108, 237, 249) }
```

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

```
.border{ border-color:rgb(108, 237, 249) }
```

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

Here you see how a box with a 4 pixel rgb(108, 237, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 237, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 237, 249);  
box-shadow:4px 4px 4px 4px rgb(108, 237,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5961, 0.2385, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 237, 249) }
```

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

```
.background{ background-color: rgb(108,  
237, 249) }
```

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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