

Converting Colors

$Y_{xy}(70.0079, 0.2437, 0.3171)$

Have a look what the booklet for
Yxy(70.0079, 0.2437, 0.3171)
contains.

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Color

Yxy(69.9312, 0.2437, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	77EBF5
RGB	119, 235, 245
RGB Percent	47%, 92%, 96%
CMY	0.5329, 0.0785, 0.0391
CMYK	0.51, 0.04, 0.00, 0.04
HSL	185°, 86%, 71%
HSV	185°, 51%, 96%
XYZ	53.8119, 69.9312, 97.0690
YIQ	201.4560, -72.3460, -21.4820

Conversions

Conversions Part 2

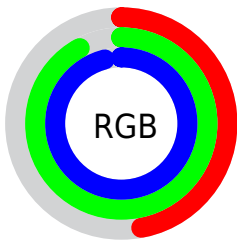
Format	Color
R _Y B	119, 179, 245
Decimal	7859189
CIE Lab	86.96, -30.17, -14.97
CIE LCh	87, 33.680, 206.381
Yxy	69.9312, 0.2437, 0.3167
Android (android.graphics.Color)	4286049269 (0xFF77EBF5)
YUV	201.4560, 21.4672, -72.3139
Hunter-Lab	83.6249, -31.4803, -10.2845

Details

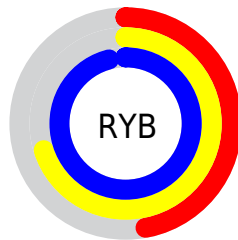
The Yxy color **69.9312, 0.2437, 0.3167** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.4938, 0.4554, 0.3400**, and the grayscale version is **58.6234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **36.6444, 0.2280, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **67.3033, 0.2347, 0.3140**, and if you desaturate by 10%, it is **73.0237, 0.2545, 0.3194**.

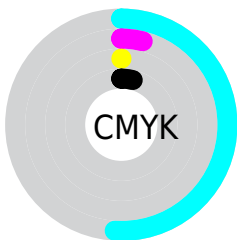
Distribution



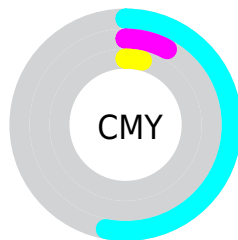
- Red (47%)
- Green (92%)
- Blue (96%)



- Red (47%)
- Yellow (70%)
- Blue (96%)



- Cyan (51%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)





- Cyan (53%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9312, 0.2437, 0.3167 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 69.9312, 0.2437, 0.3167 by changing the saturation by 10% instead.


 69.9312, 0.2437,
0.3167


 69.9312, 0.2437,
0.3167


460.3084, 0.2750,
0.3233


 51.4704, 0.2367,
0.3150


 119.1106, 0.2544,
0.3192

 36.5831, 0.2282,
0.3128


 150.5981, 0.2586,
0.3201

 24.8849, 0.2176,
0.3098


 187.1966, 0.2623,
0.3208

 15.9913, 0.2040,
0.3057

229.2905, 0.2655,
0.3215

 9.5180, 0.1861,
0.2996

277.2643, 0.2683,
0.3220

 5.0806, 0.1617,
0.2900

331.5023, 0.2708,

 2.2946, 0.1269,

0.3225

0.2732

392.3888, 0.2730,
0.3229

0.7709, 0.0000,
0.2586

0.0000, 0.0000,
0.0000

69.9312, 0.2437,
0.3167

69.9312, 0.2437,
0.3167

67.3033, 0.2347,
0.3140

73.0237, 0.2545,
0.3194

65.0969, 0.2276,
0.3112


76.6040, 0.2668,
0.3219

63.2743, 0.2225,
0.3084

80.7036, 0.2805,
0.3244

61.7872, 0.2193,
0.3057


85.3487, 0.2952,
0.3266

 60.7096, 0.2176,
0.3034

 90.5637, 0.3105,
0.3287

 94.1989, 0.3191,
0.3306

 95.3984, 0.3189,
0.3325

 96.6104, 0.3188,
0.3344

 97.8350, 0.3187,
0.3363

Harmonies

Analogous

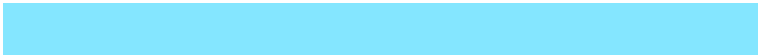
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9312, 0.2680, 0.3571



69.9312, 0.2437, 0.3167



69.9312, 0.2370, 0.2836

Triad

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



69.9312, 0.2437, 0.3167



69.9312, 0.3163, 0.2769



69.9312, 0.3790, 0.3930

Complementary

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



69.9312, 0.2437, 0.3167



36.4938, 0.4554, 0.3400

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.



69.9312, 0.3946, 0.3669



69.9312, 0.2437, 0.3167



69.9312, 0.3573, 0.3020

Square

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



69.9312, 0.2437, 0.3167



69.9312, 0.2768, 0.2636



69.9312, 0.3867, 0.3340



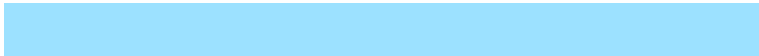
69.9312, 0.3457, 0.4032

Rectangle

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



69.9312, 0.2437, 0.3167



69.9312, 0.2427, 0.2696



69.9312, 0.3867, 0.3340



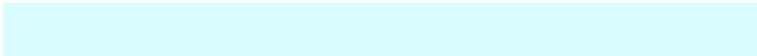
69.9312, 0.3865, 0.3856

Sweetspot

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



69.9339, 0.2437, 0.3167



91.5228, 0.2897, 0.3258



70.7973, 0.3013, 0.4831



19.3589, 0.2866, 0.3254



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

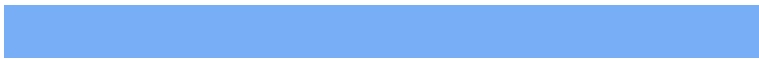
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9339, 0.2437, 0.3167



73.4944, 0.2341, 0.3138



40.6721, 0.2277, 0.2364



18.5184, 0.2981, 0.3270



32.7933, 0.2177, 0.3039



2.9480, 0.2187, 0.3072

Inverse Universe

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



38.6361, 0.3278, 0.2137



36.2254, 0.3314, 0.1949



57.7812, 0.4168, 0.4046



16.7442, 0.3150, 0.3075



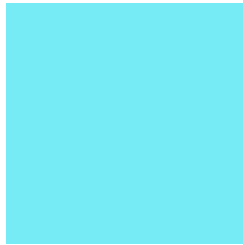
13.4099, 0.3420, 0.1658



1.1852, 0.3391, 0.1642

Previews

White Background



This preview shows how the Yxy color 69.9312, 0.2437, 0.3167 looks on a white background.

Color Contrast Check

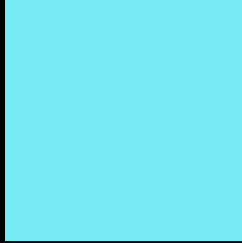
Large Text (above 18pt) WCAG AA × Fail

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 69.9312, 0.2437, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

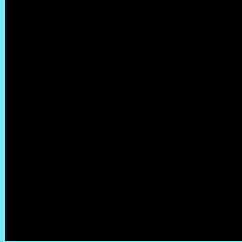
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.9312, 0.2437, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 69.9312, 0.2437, 0.3167.

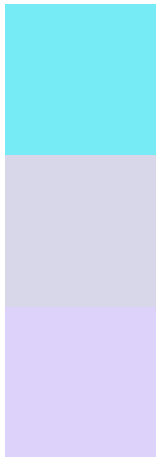


This preview shows how white text looks on a background with the Yxy color 69.9312, 0.2437, 0.3167.

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

69.9312, 0.2437, 0.3167

Protanopia

69.0830, 0.3015, 0.3094

Deuteranopia

68.8628, 0.2941, 0.2878



Tritanopia

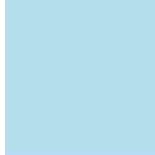
70.0751, 0.2412, 0.3063

Trichromacy



Original Color

69.9312, 0.2437, 0.3167



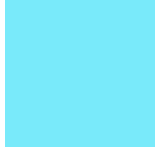
Protanomaly

68.1807, 0.2764, 0.3117



Deuteranomaly

68.1541, 0.2719, 0.2974



Tritanomaly

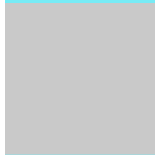
69.8127, 0.2421, 0.3097

Monochromacy



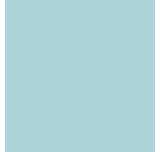
Original Color

69.9312, 0.2437, 0.3167



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.2562, 0.2810, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9312, 0.2437, 0.3167 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(119, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(119, 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(119, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 235, 245) }
```

Border

The CSS property to change the border of an element to Yxy 69.9312, 0.2437, 0.3167 is called "border". The border property can be set on classes, ids or directly on the HTML element.

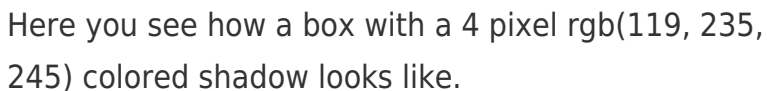
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 235, 245) }
```

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

```
.border{ border-color:rgb(119, 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(119, 235, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 235, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 235, 245); box-shadow:4px 4px 4px 4px rgb(119, 235, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9312, 0.2437, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 235, 245) }
```

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

```
.background{ background-color: rgb(119,  
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](#).

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