

Converting Colors

$Y_{xy}(72.1066, 0.2616, 0.3228)$

Have a look what the booklet for
Yxy(72.1066, 0.2616, 0.3228)
contains.

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Color

Yxy(71.9477, 0.2619, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	9AEAEF
RGB	154, 234, 239
RGB Percent	60%, 92%, 94%
CMY	0.3958, 0.0824, 0.0628
CMYK	0.36, 0.02, 0.00, 0.06
HSL	184°, 73%, 77%
HSV	184°, 36%, 94%
XYZ	58.3378, 71.9477, 92.4628
YIQ	210.6500, -49.2850, -15.4050

Conversions

Conversions Part 2

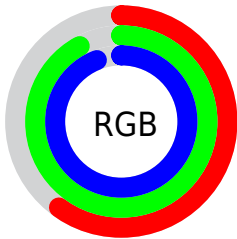
Format	Color
RYB	154, 195, 239
Decimal	10152687
CIELab	87.94, -23.11, -10.18
CIELCh	88, 25.255, 203.774
Yxy	71.9477, 0.2619, 0.3230
Android (android.graphics.Color)	4288342767 (0xFF9AEAEF)
YUV	210.6500, 13.9765, -49.6821
Hunter-Lab	84.8220, -25.6720, -5.2555

Details

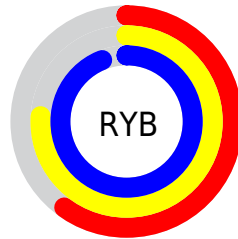
The Yxy color **71.9477, 0.2619, 0.3230** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.5045, 0.3962, 0.3348**, and the grayscale version is **64.8405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **37.8564, 0.2502, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **69.0358, 0.2504, 0.3211**, and if you desaturate by 10%, it is **75.3386, 0.2749, 0.3248**.

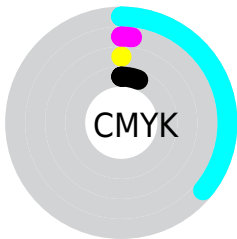
Distribution



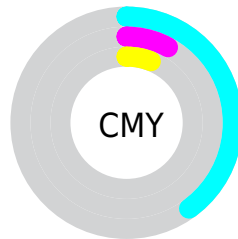
- Red (60%)
- Green (92%)
- Blue (94%)



- Red (60%)
- Yellow (76%)
- Blue (94%)



- Cyan (36%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (40%)
- Magenta (8%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9477, 0.2619, 0.3230 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 71.9477, 0.2619, 0.3230 by changing the saturation by 10% instead.


 71.9477, 0.2619,
0.3230

 71.9477, 0.2619,
0.3230


467.3595, 0.2851,
0.3262

 53.1160, 0.2567,
0.3221


 121.9822, 0.2699,
0.3242

 37.8953, 0.2503,
0.3210


 153.9537, 0.2730,
0.3247

 25.9015, 0.2423,
0.3195


191.0739, 0.2757,
0.3250

 16.7499, 0.2320,
0.3175

233.7272, 0.2780,
0.3254

 10.0564, 0.2182,
0.3143

282.2981, 0.2801,
0.3256

 5.4363, 0.1990,
0.3093

337.1708, 0.2820,

 2.5055, 0.1704,

0.3259

0.3004

398.7298, 0.2836,
0.3261

0.8794, 0.0904,
0.2925

0.0000, 0.0000,
0.0000

71.9477, 0.2619,
0.3230

71.9477, 0.2619,
0.3230

69.0358, 0.2504,
0.3211

75.3386, 0.2749,
0.3248

66.5663, 0.2406,
0.3191

79.2254, 0.2891,
0.3266

64.5115, 0.2326,
0.3171

83.6346, 0.3041,
0.3282

62.8364, 0.2266,
0.3151

88.5886, 0.3198,
0.3296

■ 61.5005, 0.2226,
0.3131

■ 90.4144, 0.3232,
0.3310

■ 60.4539, 0.2202,
0.3111

■ 91.2498, 0.3231,
0.3324

■ 60.0446, 0.2195,
0.3103

■ 92.0918, 0.3230,
0.3337

■ 92.9401, 0.3228,
0.3351

■ 93.7949, 0.3227,
0.3364

Harmonies

Analogous

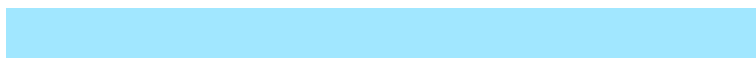
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9477, 0.2816, 0.3522



71.9477, 0.2619, 0.3230



71.9477, 0.2553, 0.2974

Triad

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



71.9477, 0.2619, 0.3230



71.9477, 0.3130, 0.2882



71.9477, 0.3639, 0.3759

Complementary

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



71.9477, 0.2619, 0.3230



45.5045, 0.3962, 0.3348

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.



71.9477, 0.3736, 0.3563



71.9477, 0.2619, 0.3230



71.9477, 0.3435, 0.3069

Square

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



71.9477, 0.2619, 0.3230



71.9477, 0.2837, 0.2791



71.9477, 0.3661, 0.3312



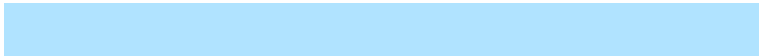
71.9477, 0.3403, 0.3836

Rectangle

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



71.9477, 0.2619, 0.3230



71.9477, 0.2590, 0.2857



71.9477, 0.3661, 0.3312



71.9477, 0.3689, 0.3704

Sweetspot

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



71.9505, 0.2619, 0.3230



94.0147, 0.2957, 0.3273



71.0827, 0.3054, 0.4307



19.9764, 0.2937, 0.3271



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.



71.9505, 0.2619, 0.3230



80.7457, 0.2530, 0.3215



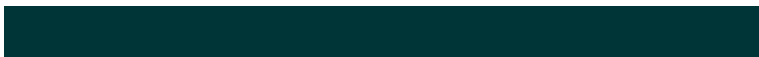
50.9338, 0.2548, 0.2713



17.7603, 0.2981, 0.3276



33.2551, 0.2196, 0.3106



2.8146, 0.2203, 0.3131

Inverse Universe

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



47.4250, 0.3210, 0.2455



48.4295, 0.3231, 0.2286



62.3536, 0.3797, 0.3803



16.0144, 0.3147, 0.3071



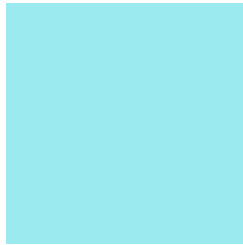
13.1505, 0.3362, 0.1626



1.0988, 0.3340, 0.1614

Previews

White Background



This preview shows how the Yxy color 71.9477, 0.2619, 0.3230 looks on a white background.

Color Contrast Check

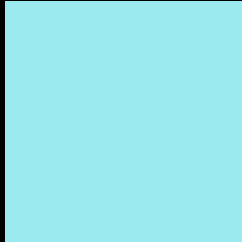
Large Text (above 18pt) WCAG AA × Fail

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 71.9477, 0.2619, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

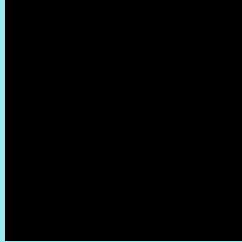
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9477, 0.2619, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 71.9477, 0.2619, 0.3230.

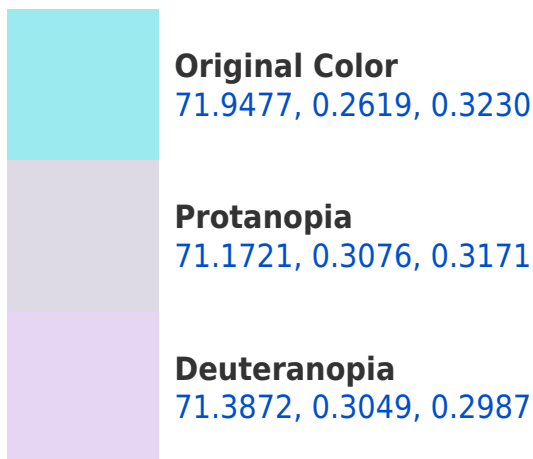


This preview shows how white text looks on a background with the Yxy color 71.9477, 0.2619, 0.3230.

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

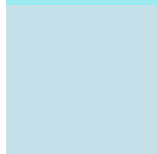
71.8464, 0.2572, 0.3071

Trichromacy



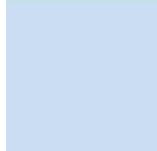
Original Color

71.9477, 0.2619, 0.3230



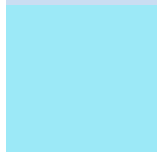
Protanomaly

71.0648, 0.2889, 0.3189



Deuteranomaly

70.6803, 0.2867, 0.3059



Tritanomaly

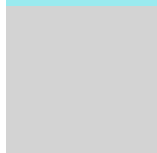
72.0611, 0.2588, 0.3127

Monochromacy



Original Color

71.9477, 0.2619, 0.3230



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

66.8306, 0.2914, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9477, 0.2619, 0.3230 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(154, 234, 239)` looks like.

```
.text, #text, p{  
    color:rgb(154, 234, 239)  
}
```

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(154, 234, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 234, 239) }
```

Border

The CSS property to change the border of an element to Yxy 71.9477, 0.2619, 0.3230 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(154, 234, 239) }
```

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

```
.border{ border-color:rgb(154, 234, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 234, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 234, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 234, 239);  
box-shadow:4px 4px 4px 4px rgb(154, 234,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9477, 0.2619, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 234, 239) }
```

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

```
.background{ background-color: rgb(154,  
234, 239) }
```

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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