

Converting Colors

$Y_{xy}(71.7254, 0.2250, 0.3133)$

Have a look what the booklet for
Yxy(71.7254, 0.2250, 0.3133)
contains.

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Color

Yxy(71.5650, 0.2249, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	38F2FF
RGB	56, 242, 255
RGB Percent	22%, 95%, 100%
CMY	0.7799, 0.0510, 0.0000
CMYK	0.78, 0.05, 0.00, 0.00
HSL	184°, 100%, 61%
HSV	184°, 78%, 100%
XYZ	51.4381, 71.5650, 105.7122
YIQ	187.8680, -115.0290, -35.3890

Conversions

Conversions Part 2

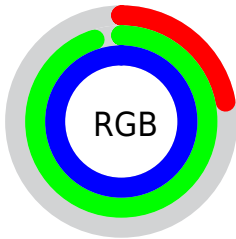
Format	Color
R _Y B	56, 152, 255
Decimal	3732223
CIE Lab	87.76, -39.78, -19.14
CIE LCh	88, 44.143, 205.703
Yxy	71.5650, 0.2249, 0.3129
Android (android.graphics.Color)	4281922303 (0xFF38F2FF)
YUV	187.8680, 33.0961, -115.6482
Hunter-Lab	84.5961, -39.5075, -14.8721

Details

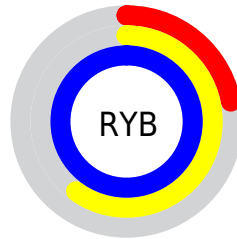
The Yxy color **71.5650, 0.2249, 0.3129** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.8194, 0.5777, 0.3383**, and the grayscale version is **50.0904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **38.7751, 0.2190, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **70.0205, 0.2212, 0.3107**, and if you desaturate by 10%, it is **73.4972, 0.2305, 0.3152**.

Distribution



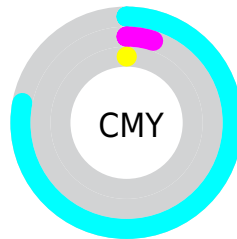
- Red (22%)
- Green (95%)
- Blue (100%)



- Red (22%)
- Yellow (60%)
- Blue (100%)



- Cyan (78%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (78%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5650, 0.2249, 0.3129 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 71.5650, 0.2249, 0.3129 by changing the saturation by 10% instead.


 71.5650, 0.2249,
0.3129


 71.5650, 0.2249,
0.3129


466.0261, 0.2642,
0.3218


 52.8034, 0.2163,
0.3106


 121.4379, 0.2382,
0.3162

 37.6459, 0.2060,
0.3076


 153.3179, 0.2435,
0.3174

 25.7079, 0.1932,
0.3035


 190.3396, 0.2481,
0.3185

 16.6053, 0.1771,
0.2979

 232.8873, 0.2521,
0.3193

 9.9535, 0.1565,
0.2896

281.3454, 0.2556,
0.3201

 5.3681, 0.1293,
0.2768

336.0983, 0.2588,

 2.4648, 0.0930,

0.3207

0.2551

397.5304, 0.2616,
0.3213

0.8589, 0.0000,
0.2252

0.0000, 0.0000,
0.0000

71.5650, 0.2249,
0.3129

71.5650, 0.2249,
0.3129

70.0205, 0.2212,
0.3107

73.4972, 0.2305,
0.3152

68.7891, 0.2192,
0.3085

75.8598, 0.2380,
0.3174

68.5601, 0.2189,
0.3081

78.6976, 0.2475,
0.3196

82.0478, 0.2587,
0.3218

■ 85.9436, 0.2714,
0.3239

■ 90.4158, 0.2854,
0.3258

■ 95.4926, 0.3003,
0.3277

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



71.5650, 0.2555, 0.3668



71.5650, 0.2249, 0.3129



71.5650, 0.2163, 0.2703

Triad

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



71.5650, 0.2249, 0.3129



71.5650, 0.3155, 0.2624



71.5650, 0.3985, 0.4101

Complementary

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



71.5650, 0.2249, 0.3129



25.8194, 0.5777, 0.3383

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.



71.5650, 0.4191, 0.3749



71.5650, 0.2249, 0.3129



71.5650, 0.3694, 0.2933

Square

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



71.5650, 0.2249, 0.3129



71.5650, 0.2651, 0.2459



71.5650, 0.4087, 0.3330



71.5650, 0.3554, 0.4263

Rectangle

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



71.5650, 0.2249, 0.3129



71.5650, 0.2232, 0.2529



71.5650, 0.4087, 0.3330



71.5650, 0.4085, 0.3998

Sweetspot

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



71.5674, 0.2249, 0.3129



88.1005, 0.2782, 0.3249



72.7587, 0.2991, 0.5670



18.5197, 0.2733, 0.3241



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.



71.5674, 0.2249, 0.3129



69.2494, 0.2199, 0.3094



28.5059, 0.1906, 0.1816



20.2660, 0.2980, 0.3274



35.9110, 0.2190, 0.3084



3.5554, 0.2197, 0.3109

Inverse Universe

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



30.5117, 0.3335, 0.1734



27.8616, 0.3372, 0.1647



48.6410, 0.4853, 0.4253



18.2787, 0.3148, 0.3071



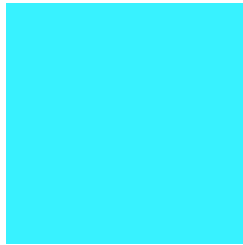
14.3532, 0.3381, 0.1636



1.4035, 0.3359, 0.1624

Previews

White Background



This preview shows how the Yxy color 71.5650, 0.2249, 0.3129 looks on a white background.

Color Contrast Check

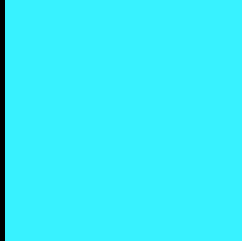
Large Text (above 18pt) WCAG AA × Fail

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 71.5650, 0.2249, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

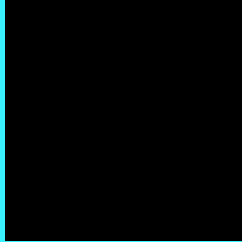
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.5650, 0.2249, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 71.5650, 0.2249, 0.3129.

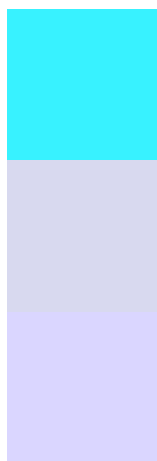


This preview shows how white text looks on a background with the Yxy color 71.5650, 0.2249, 0.3129.

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

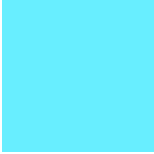
71.5650, 0.2249, 0.3129

Protanopia

70.4566, 0.2977, 0.3053

Deuteranopia

70.2186, 0.2891, 0.2859



Tritanopia

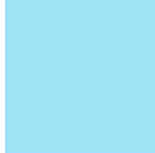
71.3121, 0.2351, 0.3085

Trichromacy



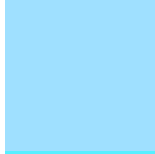
Original Color

71.5650, 0.2249, 0.3129



Protanomaly

68.2544, 0.2596, 0.3067



Deuteranomaly

67.9022, 0.2549, 0.2933



Tritanomaly

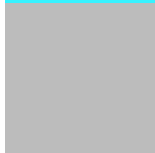
70.9792, 0.2304, 0.3095

Monochromacy



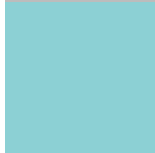
Original Color

71.5650, 0.2249, 0.3129



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.4407, 0.2642, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5650, 0.2249, 0.3129 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(56, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 242, 255)  
}
```

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(56, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.5650, 0.2249, 0.3129 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(56, 242, 255) }
```

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

```
.border{ border-color:rgb(56, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5650, 0.2249, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 242, 255) }
```

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

```
.background{ background-color: rgb(56, 242,  
255) }
```

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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