

Converting Colors

$Yxy(71.3121, 0.2351, 0.3085)$

Have a look what the booklet for
Yxy(71.3121, 0.2351, 0.3085)
contains.

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Color

Yxy(71.3121, 0.2351, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	68EEFF
RGB	104, 238, 255
RGB Percent	41%, 93%, 100%
CMY	0.5915, 0.0667, 0.0000
CMYK	0.59, 0.07, 0.00, 0.00
HSL	187°, 100%, 70%
HSV	187°, 59%, 100%
XYZ	54.3451, 71.3121, 105.5003
YIQ	199.8720, -85.3210, -23.1210

Conversions

Conversions Part 2

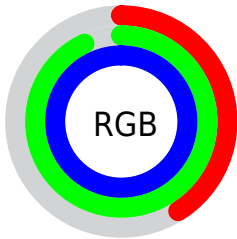
Format	Color
RYB	104, 175, 255
Decimal	6876927
CIELab	87.64, -31.71, -19.22
CIELCh	88, 37.084, 211.223
Yxy	71.3121, 0.2351, 0.3085
Android (android.graphics.Color)	4285067007 (0xFF68EEFF)
YUV	199.8720, 27.1781, -84.0797
Hunter-Lab	84.4465, -32.9085, -14.9594

Details

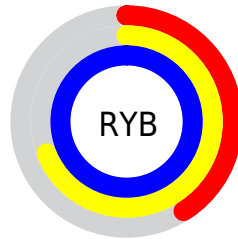
The Yxy color **71.3121, 0.2351, 0.3085** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.9750, 0.4866, 0.3459**, and the grayscale version is **57.5704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **37.5976, 0.2183, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **68.3496, 0.2272, 0.3045**, and if you desaturate by 10%, it is **74.7681, 0.2449, 0.3124**.

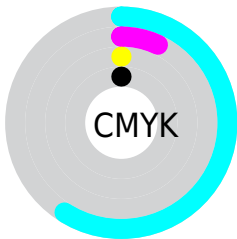
Distribution



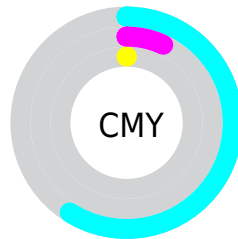
- Red (41%)
- Green (93%)
- Blue (100%)



- Red (41%)
- Yellow (69%)
- Blue (100%)



- Cyan (59%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3121, 0.2351, 0.3085 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 71.3121, 0.2351, 0.3085 by changing the saturation by 10% instead.


 71.3121, 0.2351,
0.3085

 71.3121, 0.2351,
0.3085


465.1437, 0.2700,
0.3191

 52.5969, 0.2274,
0.3059


 121.0780, 0.2470,
0.3124

 37.4811, 0.2181,
0.3025


 152.8975, 0.2517,
0.3138

 25.5802, 0.2066,
0.2980


 189.8540, 0.2557,
0.3150

 16.5099, 0.1920,
0.2920

232.3317, 0.2593,
0.3161

 9.8857, 0.1730,
0.2833

280.7152, 0.2624,
0.3170

 5.3232, 0.1476,
0.2702

335.3888, 0.2652,

 2.4381, 0.1127,

0.3178

0.2485

396.7368, 0.2677,
0.3185

0.8454, 0.0077,
0.2218

0.0000, 0.0000,
0.0000

71.3121, 0.2351,
0.3085

71.3121, 0.2351,
0.3085

68.3496, 0.2272,
0.3045

74.7681, 0.2449,
0.3124

65.8293, 0.2212,
0.3005

78.7473, 0.2564,
0.3162

63.7030, 0.2171,
0.2966

83.2864, 0.2694,
0.3198

61.8938, 0.2147,
0.2927

88.4162, 0.2836,
0.3232

■ 61.7472, 0.2146,
0.2924

■ 94.1654, 0.2985,
0.3263

99.9995, 0.3127,
0.3290

Harmonies

Analogous

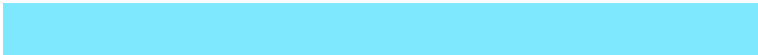
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3121, 0.2584, 0.3526



71.3121, 0.2351, 0.3085



71.3121, 0.2311, 0.2748

Triad

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



71.3121, 0.2351, 0.3085



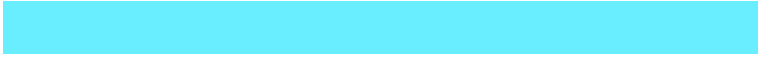
71.3121, 0.3239, 0.2761



71.3121, 0.3801, 0.4020

Complementary

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



71.3121, 0.2351, 0.3085



35.9750, 0.4866, 0.3459

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.



71.3121, 0.4011, 0.3752



71.3121, 0.2351, 0.3085



71.3121, 0.3679, 0.3047

Square

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



71.3121, 0.2351, 0.3085



71.3121, 0.2797, 0.2593



71.3121, 0.3969, 0.3400



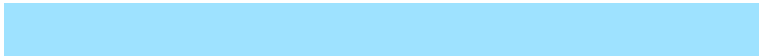
71.3121, 0.3415, 0.4100

Rectangle

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



71.3121, 0.2351, 0.3085



71.3121, 0.2395, 0.2617



71.3121, 0.3969, 0.3400



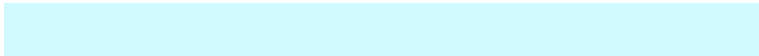
71.3121, 0.3895, 0.3946

Sweetspot

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



71.3148, 0.2351, 0.3085



89.0529, 0.2852, 0.3236



75.8053, 0.2980, 0.5039



18.7236, 0.2810, 0.3226



0.0000, 0.0000, 0.0000



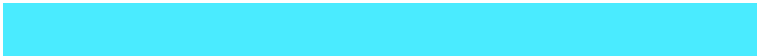
21.4041, 0.3127, 0.3290

Same Dimension

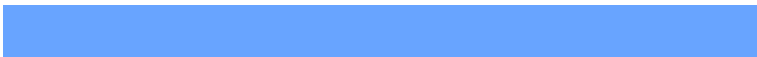
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3148, 0.2351, 0.3085



67.8565, 0.2259, 0.3038



36.8991, 0.2137, 0.2123



20.1110, 0.2980, 0.3262



32.4064, 0.2147, 0.2930



3.2506, 0.2160, 0.2975

Inverse Universe

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



37.3633, 0.3353, 0.2032



32.1254, 0.3405, 0.1866



61.1385, 0.4330, 0.4190



18.2630, 0.3155, 0.3082



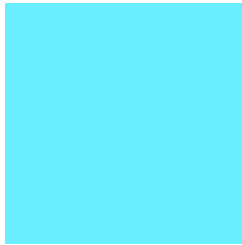
13.9994, 0.3516, 0.1711



1.3727, 0.3476, 0.1689

Previews

White Background



This preview shows how the Yxy color 71.3121, 0.2351, 0.3085 looks on a white background.

Color Contrast Check

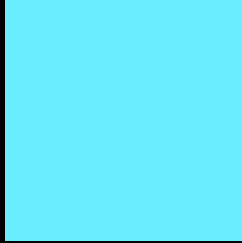
Large Text (above 18pt) WCAG AA × Fail

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 71.3121, 0.2351, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

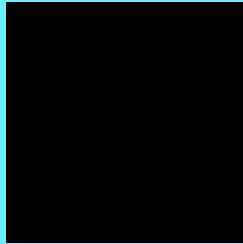
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

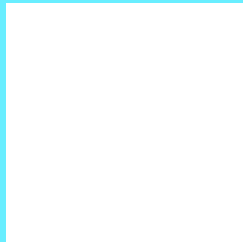
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.3121, 0.2351, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 71.3121, 0.2351, 0.3085.

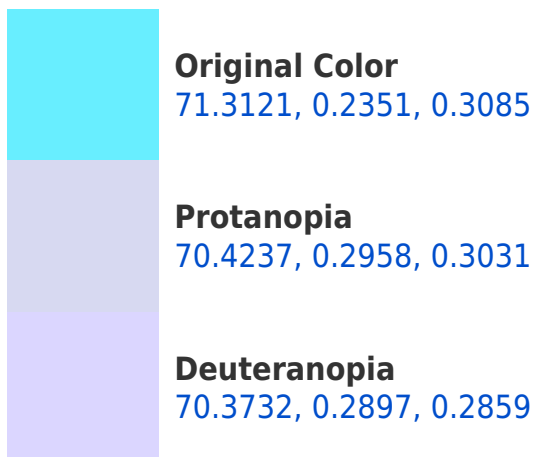


This preview shows how white text looks on a background with the Yxy color 71.3121, 0.2351, 0.3085.

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

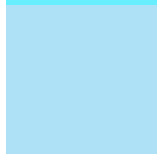
71.4332, 0.2385, 0.3075

Trichromacy



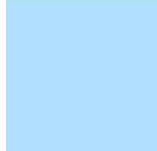
Original Color

71.3121, 0.2351, 0.3085



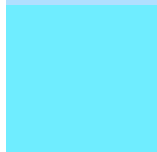
Protanomaly

69.6182, 0.2683, 0.3050



Deuteranomaly

69.3425, 0.2644, 0.2931



Tritanomaly

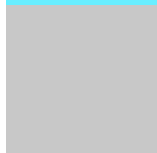
71.1679, 0.2371, 0.3074

Monochromacy



Original Color

71.3121, 0.2351, 0.3085



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

61.2598, 0.2755, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3121, 0.2351, 0.3085 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(104, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 238, 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(104, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.3121, 0.2351, 0.3085 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(104, 238, 255) }
```

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

```
.border{ border-color:rgb(104, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3121, 0.2351, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 238, 255) }
```

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

```
.background{ background-color: rgb(104,  
238, 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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