

Converting Colors

$Y_{xy}(71.7044, 0.2243, 0.3135)$

Have a look what the booklet for
Yxy(71.7044, 0.2243, 0.3135)
contains.

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Color

Yxy(71.4281, 0.2241, 0.3129)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 33F2FF |
| RGB | 51, 242, 255 |
| RGB Percent | 20%, 95%, 100% |
| CMY | 0.8009, 0.0509, 0.0000 |
| CMYK | 0.80, 0.05, 0.00, 0.00 |
| HSL | 184°, 100%, 60% |
| HSV | 184°, 80%, 100% |
| XYZ | 51.1570, 71.4281, 105.6926 |
| YIQ | 186.3730, -118.0090, -36.4490 |

Conversions

Conversions Part 2

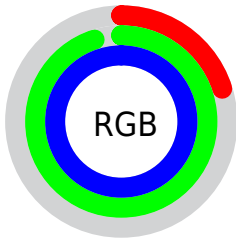
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 51, 150, 255 |
| Decimal | 3404543 |
| CIE Lab | 87.69, -40.23, -19.25 |
| CIE LCh | 88, 44.600, 205.565 |
| Yxy | 71.4281, 0.2241, 0.3129 |
| Android (android.graphics.Color) | 4281594623 (0xFF33F2FF) |
| YUV | 186.3730, 33.8331, -118.7221 |
| Hunter-Lab | 84.5151, -39.8554, -14.9860 |

Details

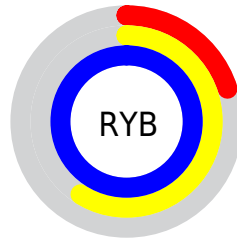
The Yxy color **71.4281, 0.2241, 0.3129** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.1340, 0.5864, 0.3376**, and the grayscale version is **49.1422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **38.7751, 0.2190, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **69.9826, 0.2208, 0.3107**, and if you desaturate by 10%, it is **73.2494, 0.2292, 0.3151**.

Distribution



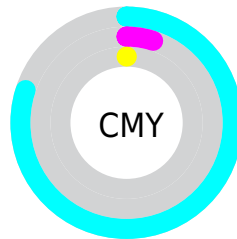
- Red (20%)
- Green (95%)
- Blue (100%)



- Red (20%)
- Yellow (59%)
- Blue (100%)



- Cyan (80%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.4281, 0.2241, 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 71.4281, 0.2241, 0.3129 by changing the saturation by 10% instead.


 71.4281, 0.2241,
0.3129

 71.4281, 0.2241,
0.3129


465.5486, 0.2637,
0.3218

 52.6916, 0.2155,
0.3106


 121.2431, 0.2375,
0.3162


 37.5567, 0.2050,
0.3075


 153.0904, 0.2428,
0.3175

 25.6388, 0.1921,
0.3034


 190.0768, 0.2475,
0.3185

 16.5536, 0.1759,
0.2978

 232.5866, 0.2515,
0.3194

 9.9167, 0.1551,
0.2894

281.0043, 0.2551,
0.3201

 5.3438, 0.1278,
0.2765

335.7143, 0.2583,

 2.4504, 0.0914,

0.3207

0.2546

397.1009, 0.2611,
0.3213

■ 0.8516, 0.0000,
0.2238

■ 0.0000, 0.0000,
0.0000

■ 71.4281, 0.2241,
0.3129

■ 71.4281, 0.2241,
0.3129

■ 69.9826, 0.2208,
0.3107

■ 73.2494, 0.2292,
0.3151

■ 68.8292, 0.2191,
0.3087

■ 75.4907, 0.2363,
0.3173

■ 78.1983, 0.2454,
0.3194

■ 81.4101, 0.2562,
0.3216

85.1604, 0.2686,
0.3236

89.4802, 0.2824,
0.3255

94.3983, 0.2971,
0.3273

99.9415, 0.3126,
0.3290

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



71.4281, 0.2551, 0.3675



71.4281, 0.2241, 0.3129



71.4281, 0.2154, 0.2697

Triad

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



71.4281, 0.2241, 0.3129



71.4281, 0.3152, 0.2616



71.4281, 0.3996, 0.4108

Complementary

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



71.4281, 0.2241, 0.3129



25.1340, 0.5864, 0.3376

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.



71.4281, 0.4203, 0.3751



71.4281, 0.2241, 0.3129



71.4281, 0.3698, 0.2927

Square

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



71.4281, 0.2241, 0.3129



71.4281, 0.2643, 0.2451



71.4281, 0.4097, 0.3328



71.4281, 0.3560, 0.4274

Rectangle

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



71.4281, 0.2241, 0.3129



71.4281, 0.2223, 0.2522



71.4281, 0.4097, 0.3328



71.4281, 0.4096, 0.4003

Sweetspot

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



71.4307, 0.2241, 0.3129



87.7264, 0.2769, 0.3248



72.5510, 0.2990, 0.5716



18.4507, 0.2720, 0.3241



0.0000, 0.0000, 0.0000



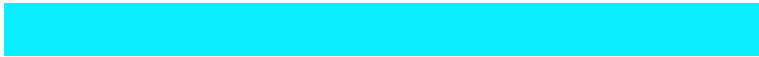
21.4041, 0.3127, 0.3290

Same Dimension

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



71.4307, 0.2241, 0.3129



69.2781, 0.2197, 0.3095



27.4629, 0.1882, 0.1772



20.2720, 0.2980, 0.3274



36.0511, 0.2192, 0.3090



3.5675, 0.2199, 0.3114

Inverse Universe

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



30.0179, 0.3336, 0.1713



27.7396, 0.3371, 0.1641



47.7228, 0.4902, 0.4258



18.2793, 0.3148, 0.3070



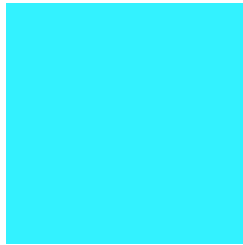
14.3673, 0.3376, 0.1633



1.4047, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 71.4281, 0.2241, 0.3129 looks on a white background.

Color Contrast Check

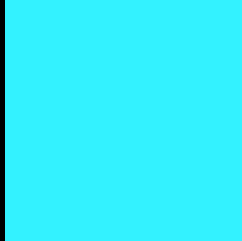
Large Text (above 18pt) WCAG AA × Fail

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 71.4281, 0.2241, 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

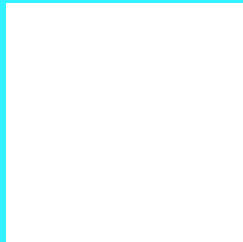
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.4281, 0.2241, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 71.4281, 0.2241, 0.3129.

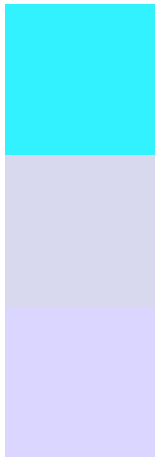


This preview shows how white text looks on a background with the Yxy color 71.4281, 0.2241, 0.3129.

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

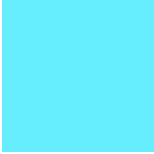
71.4281, 0.2241, 0.3129

Protanopia

69.9427, 0.2977, 0.3042

Deuteranopia

70.2186, 0.2891, 0.2859



Tritanopia

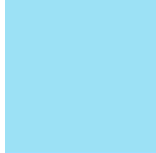
71.1939, 0.2344, 0.3085

Trichromacy



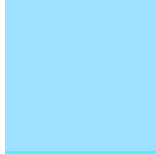
Original Color

71.4281, 0.2241, 0.3129



Protanomaly

67.5109, 0.2584, 0.3054



Deuteranomaly

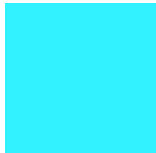
67.6994, 0.2538, 0.2932



Tritanomaly

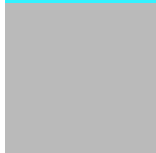
70.7920, 0.2294, 0.3094

Monochromacy



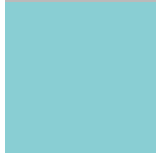
Original Color

71.4281, 0.2241, 0.3129



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.1641, 0.2627, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4281, 0.2241, 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(51, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.4281, 0.2241, 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(51, 242, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4281, 0.2241, 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(51, 242, 255) }
```

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

```
.background{ background-color: rgb(51, 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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