

Converting Colors

$Y_{xy}(70.5978, 0.2237, 0.3111)$

Have a look what the booklet for
Yxy(70.5978, 0.2237, 0.3111)
contains.

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Color

Yxy(70.8344, 0.2238, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	33F1FF
RGB	51, 241, 255
RGB Percent	20%, 95%, 100%
CMY	0.7997, 0.0549, 0.0000
CMYK	0.80, 0.05, 0.00, 0.00
HSL	184°, 100%, 60%
HSV	184°, 80%, 100%
XYZ	50.8753, 70.8344, 105.6151
YIQ	185.7860, -117.7340, -35.9260

Conversions

Conversions Part 2

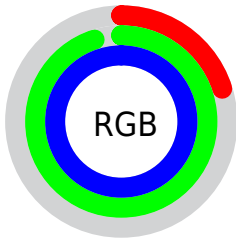
Format	Color
R _Y B	51, 149, 255
Decimal	3404287
CIE Lab	87.40, -39.74, -19.70
CIE LCh	87, 44.353, 206.363
Yxy	70.8344, 0.2238, 0.3116
Android (android.graphics.Color)	4281594367 (0xFF33F1FF)
YUV	185.7860, 34.1225, -118.2073
Hunter-Lab	84.1632, -39.3852, -15.4879

Details

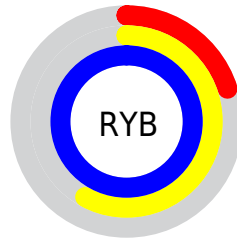
The Yxy color **70.8344, 0.2238, 0.3116** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.2895, 0.5851, 0.3384**, and the grayscale version is **48.8449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **38.3582, 0.2185, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **69.3123, 0.2205, 0.3093**, and if you desaturate by 10%, it is **72.7317, 0.2290, 0.3140**.

Distribution



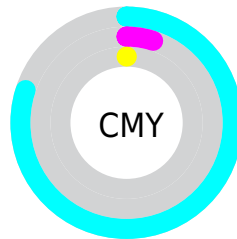
- Red (20%)
- Green (95%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- 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 70.8344, 0.2238, 0.3116 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 70.8344, 0.2238, 0.3116 by changing the saturation by 10% instead.


 70.8344, 0.2238,
0.3116


 70.8344, 0.2238,
0.3116


463.4743, 0.2636,
0.3211


 52.2071, 0.2151,
0.3091


 120.3979, 0.2373,
0.3152

 37.1702, 0.2046,
0.3059


 152.1029, 0.2426,
0.3165

 25.3393, 0.1916,
0.3016

 188.9358, 0.2473,
0.3176

 16.3300, 0.1754,
0.2956


 231.2812, 0.2513,
0.3185

 9.7580, 0.1544,
0.2869

279.5233, 0.2549,
0.3193

 5.2388, 0.1269,
0.2733

334.0466, 0.2581,

 2.3880, 0.0904,

0.3200

0.2505

395.2355, 0.2610,
0.3206

0.8197, 0.0000,
0.2176

0.0000, 0.0000,
0.0000

70.8344, 0.2238,
0.3116

70.8344, 0.2238,
0.3116

69.3123, 0.2205,
0.3093

72.7317, 0.2290,
0.3140

68.0771, 0.2186,
0.3070

75.0523, 0.2362,
0.3164

68.0734, 0.2186,
0.3070

77.8411, 0.2453,
0.3187

81.1360, 0.2562,
0.3210

■ 84.9713, 0.2687,
0.3232

■ 89.3780, 0.2825,
0.3253

■ 94.3848, 0.2973,
0.3272

■ 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.



70.8344, 0.2542, 0.3660



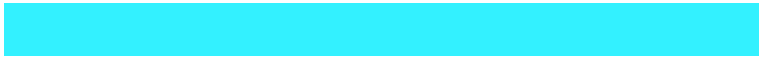
70.8344, 0.2238, 0.3116



70.8344, 0.2157, 0.2690

Triad

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



70.8344, 0.2238, 0.3116



70.8344, 0.3167, 0.2624



70.8344, 0.3984, 0.4113

Complementary

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



70.8344, 0.2238, 0.3116



25.2895, 0.5851, 0.3384

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.



70.8344, 0.4199, 0.3761



70.8344, 0.2238, 0.3116



70.8344, 0.3710, 0.2938

Square

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



70.8344, 0.2238, 0.3116



70.8344, 0.2657, 0.2455



70.8344, 0.4101, 0.3340



70.8344, 0.3545, 0.4272

Rectangle

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



70.8344, 0.2238, 0.3116



70.8344, 0.2230, 0.2519



70.8344, 0.4101, 0.3340



70.8344, 0.4086, 0.4010

Sweetspot

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



70.8357, 0.2238, 0.3116



87.5311, 0.2768, 0.3245



72.6037, 0.2983, 0.5688



18.4029, 0.2719, 0.3237



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.



70.8357, 0.2238, 0.3116



68.5467, 0.2192, 0.3079



26.5201, 0.1871, 0.1728



20.2552, 0.2980, 0.3273



35.6606, 0.2187, 0.3074



3.5337, 0.2195, 0.3100

Inverse Universe

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



29.9853, 0.3347, 0.1721



27.6658, 0.3384, 0.1648



49.0033, 0.4865, 0.4289



18.2776, 0.3149, 0.3072



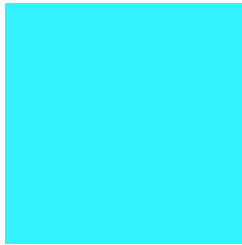
14.3279, 0.3390, 0.1641



1.4013, 0.3367, 0.1628

Previews

White Background



This preview shows how the Yxy color 70.8344, 0.2238, 0.3116 looks on a white background.

Color Contrast Check

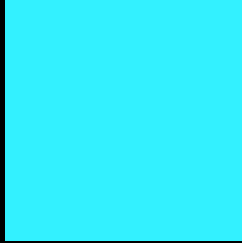
Large Text (above 18pt) WCAG AA × Fail

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 70.8344, 0.2238, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

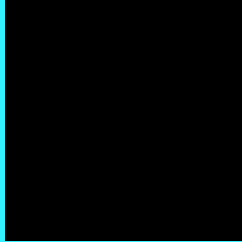
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8344, 0.2238, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 70.8344, 0.2238, 0.3116.

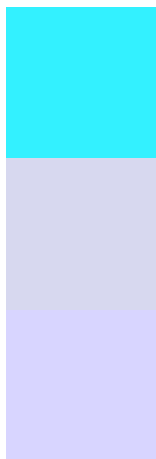


This preview shows how white text looks on a background with the Yxy color 70.8344, 0.2238, 0.3116.

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

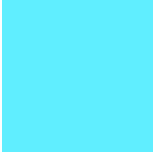
70.8344, 0.2238, 0.3116

Protanopia

69.7908, 0.2970, 0.3041

Deuteranopia

69.4074, 0.2877, 0.2846



Tritanopia

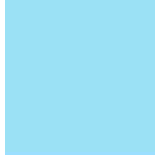
70.8559, 0.2326, 0.3084

Trichromacy



Original Color

70.8344, 0.2238, 0.3116



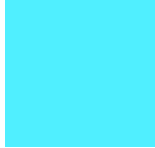
Protanomaly

67.4116, 0.2579, 0.3054



Deuteranomaly

67.0633, 0.2531, 0.2920



Tritanomaly

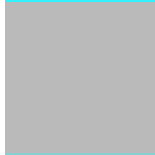
70.6585, 0.2287, 0.3094

Monochromacy



Original Color

70.8344, 0.2238, 0.3116



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 70.8344, 0.2238, 0.3116 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, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 241, 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, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.8344, 0.2238, 0.3116 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, 241, 255) }
```

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

```
.border{ border-color:rgb(51, 241, 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, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8344, 0.2238, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 241, 255) }
```

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

```
.background{ background-color: rgb(51, 241,  
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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