

Converting Colors

$Y_{xy}(70.4966, 0.2236, 0.3109)$

Have a look what the booklet for
Yxy(70.4966, 0.2236, 0.3109)
contains.

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Color

Yxy(70.2440, 0.2235, 0.3104)

Conversions

Conversions Part 1

Format	Color
Hex	33F0FF
RGB	51, 240, 255
RGB Percent	20%, 94%, 100%
CMY	0.7993, 0.0588, 0.0001
CMYK	0.80, 0.06, 0.00, 0.00
HSL	184°, 100%, 60%
HSV	184°, 80%, 100%
XYZ	50.5784, 70.2440, 105.4792
YIQ	185.1990, -117.4590, -35.4030

Conversions

Conversions Part 2

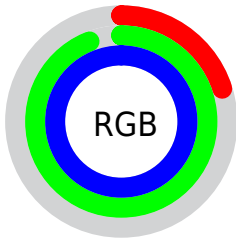
Format	Color
R _Y B	51, 149, 255
Decimal	3404031
CIE Lab	87.12, -39.29, -20.11
CIE LCh	87, 44.136, 207.102
Yxy	70.2440, 0.2235, 0.3104
Android (android.graphics.Color)	4281594111 (0xFF33F0FF)
YUV	185.1990, 34.4119, -117.6925
Hunter-Lab	83.8117, -38.9499, -15.9498

Details

The Yxy color **70.2440, 0.2235, 0.3104** 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 **25.4119, 0.5842, 0.3390**, and the grayscale version is **48.5166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **37.9442, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **68.6558, 0.2201, 0.3079**, and if you desaturate by 10%, it is **72.2117, 0.2288, 0.3129**.

Distribution



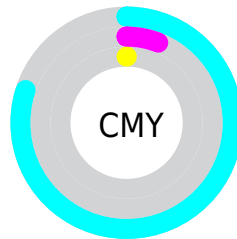
- Red (20%)
- Green (94%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2440, 0.2235, 0.3104 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 70.2440, 0.2235, 0.3104 by changing the saturation by 10% instead.

 70.2440, 0.2235,
0.3104


 70.2440, 0.2235,
0.3104


461.4063, 0.2635,
0.3205


 51.7255, 0.2148,
0.3078


 119.5566, 0.2371,
0.3142


 36.7863, 0.2042,
0.3044

 151.1196, 0.2424,
0.3155

 25.0421, 0.1912,
0.2999


 187.7994, 0.2471,
0.3167

 16.1084, 0.1748,
0.2936

 229.9806, 0.2512,
0.3177

 9.6009, 0.1537,
0.2845

278.0474, 0.2548,
0.3185

 5.1352, 0.1260,
0.2703

332.3844, 0.2580,

 2.3268, 0.0893,

0.3193

0.2467

393.3759, 0.2609,
0.3199

0.7878, 0.0000,
0.2117

0.0000, 0.0000,
0.0000

70.2440, 0.2235,
0.3104

70.2440, 0.2235,
0.3104

68.6558, 0.2201,
0.3079

72.2117, 0.2288,
0.3129

67.3552, 0.2182,
0.3054

74.6029, 0.2361,
0.3155

67.3458, 0.2182,
0.3054

77.4639, 0.2452,
0.3180

80.8325, 0.2562,
0.3205

84.7429, 0.2687,
0.3228

89.2263, 0.2826,
0.3250

94.3111, 0.2974,
0.3271

99.9924, 0.3127,
0.3290

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



70.2440, 0.2533, 0.3645



70.2440, 0.2235, 0.3104



70.2440, 0.2160, 0.2684

Triad

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



70.2440, 0.2235, 0.3104



70.2440, 0.3181, 0.2632



70.2440, 0.3974, 0.4119

Complementary

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



70.2440, 0.2235, 0.3104



25.4119, 0.5842, 0.3390

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.



70.2440, 0.4195, 0.3770



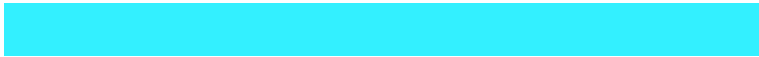
70.2440, 0.2235, 0.3104



70.2440, 0.3721, 0.2948

Square

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



70.2440, 0.2235, 0.3104



70.2440, 0.2669, 0.2459



70.2440, 0.4105, 0.3350



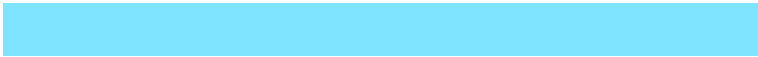
70.2440, 0.3532, 0.4270

Rectangle

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



70.2440, 0.2235, 0.3104



70.2440, 0.2236, 0.2516



70.2440, 0.4105, 0.3350



70.2440, 0.4078, 0.4017

Sweetspot

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



70.2466, 0.2235, 0.3104



87.3466, 0.2768, 0.3241



72.5926, 0.2983, 0.5687



18.3577, 0.2719, 0.3233



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.



70.2466, 0.2235, 0.3104



67.8590, 0.2188, 0.3064



26.5363, 0.1872, 0.1729



20.2394, 0.2980, 0.3272



35.2936, 0.2183, 0.3058



3.5019, 0.2191, 0.3087

Inverse Universe

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



29.9307, 0.3357, 0.1728



27.5963, 0.3398, 0.1655



49.0120, 0.4864, 0.4289



18.2760, 0.3149, 0.3073



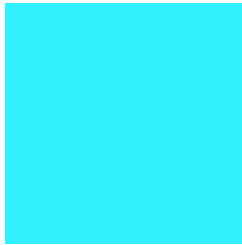
14.2909, 0.3403, 0.1648



1.3981, 0.3379, 0.1635

Previews

White Background



This preview shows how the Yxy color 70.2440, 0.2235, 0.3104 looks on a white background.

Color Contrast Check

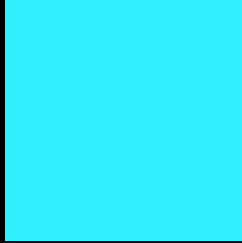
Large Text (above 18pt) WCAG AA × Fail

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 70.2440, 0.2235, 0.3104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

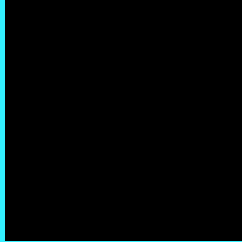
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2440, 0.2235, 0.3104

Background



This preview shows how black text looks on a background with the Yxy color 70.2440, 0.2235, 0.3104.

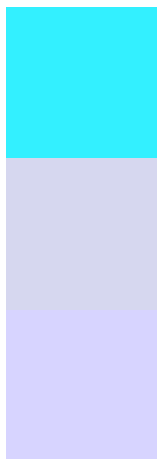


This preview shows how white text looks on a background with the Yxy color 70.2440, 0.2235, 0.3104.

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

70.2440, 0.2235, 0.3104

Protanopia

69.1290, 0.2963, 0.3030

Deuteranopia

68.7540, 0.2870, 0.2834



Tritanopia

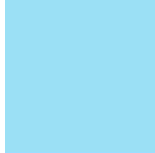
69.9122, 0.2304, 0.3070

Trichromacy



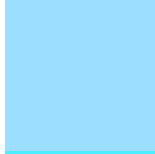
Original Color

70.2440, 0.2235, 0.3104



Protanomaly

66.8724, 0.2577, 0.3042



Deuteranomaly

66.4311, 0.2525, 0.2907



Tritanomaly

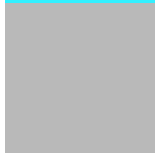
69.8649, 0.2272, 0.3081

Monochromacy



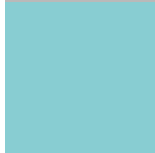
Original Color

70.2440, 0.2235, 0.3104



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.5500, 0.2625, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2440, 0.2235, 0.3104 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, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 240, 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, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.2440, 0.2235, 0.3104 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, 240, 255) }
```

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

```
.border{ border-color:rgb(51, 240, 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, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2440, 0.2235, 0.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 240, 255) }
```

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

```
.background{ background-color: rgb(51, 240,  
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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