

Converting Colors

$Y_{xy}(69.7621, 0.2235, 0.3245)$

Have a look what the booklet for
Yxy(69.7621, 0.2235, 0.3245)
contains.

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Color

Yxy(69.5096, 0.2233, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	01F1F5
RGB	1, 241, 245
RGB Percent	0%, 95%, 96%
CMY	0.9953, 0.0549, 0.0392
CMYK	1.00, 0.02, 0.00, 0.04
HSL	181°, 99%, 48%
HSV	181°, 100%, 96%
XYZ	47.9502, 69.5096, 97.2748
YIQ	169.6960, -144.3240, -49.6360

Conversions

Conversions Part 2

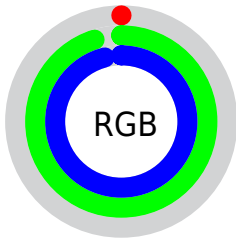
Format	Color
RYB	1, 122, 245
Decimal	127477
CIELab	86.76, -44.88, -15.46
CIELCh	87, 47.466, 199.007
Yxy	69.5096, 0.2233, 0.3237
Android (android.graphics.Color)	4278317557 (0xFF01F1F5)
YUV	169.6960, 37.1249, -147.9464
Hunter-Lab	83.3724, -43.2405, -10.8159

Details

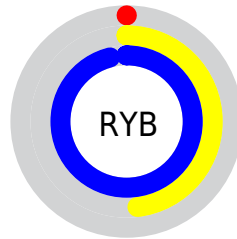
The Yxy color **69.5096, 0.2233, 0.3237** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.5279, 0.6386, 0.3306**, and the grayscale version is **39.9356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **37.9551, 0.2224, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **69.4929, 0.2233, 0.3237**, and if you desaturate by 10%, it is **69.9582, 0.2247, 0.3242**.

Distribution



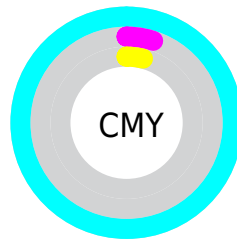
- Red (0%)
- Green (95%)
- Blue (96%)



- Red (0%)
- Yellow (48%)
- Blue (96%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5096, 0.2233, 0.3237 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 69.5096, 0.2233, 0.3237 by changing the saturation by 10% instead.

 69.5096, 0.2233,
0.3237

 69.5096, 0.2233,
0.3237


458.8262, 0.2636,
0.3276

 51.1268, 0.2144,
0.3225


 118.5091, 0.2370,
0.3253

 36.3096, 0.2037,
0.3208


 149.8947, 0.2424,
0.3259

 24.6734, 0.1904,
0.3184

 186.3834, 0.2471,
0.3263

 15.8339, 0.1736,
0.3148

 228.3594, 0.2512,
0.3267

 9.4067, 0.1519,
0.3091

276.2074, 0.2549,
0.3270

 5.0074, 0.1232,
0.2995


330.3116, 0.2581,

 2.2516, 0.0836,

0.3272

0.2820

391.0564, 0.2610,
0.3274


 0.7479, 0.0000,
0.2514

 0.0000, 0.0000,
0.0000


 69.5096, 0.2233,
0.3237


 69.5096, 0.2233,
0.3237

 69.4929, 0.2233,
0.3237

 69.9582, 0.2247,
0.3242

 70.6643, 0.2275,
0.3248

 71.7040, 0.2322,
0.3253

 73.1237, 0.2388,
0.3259

■ 74.9627, 0.2474,
0.3265

■ 77.2551, 0.2578,
0.3270

■ 80.0318, 0.2699,
0.3276

■ 83.3207, 0.2834,
0.3281

■ 87.1478, 0.2980,
0.3286

Harmonies

Analogous

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



69.5096, 0.2608, 0.3830



69.5096, 0.2233, 0.3237



69.5096, 0.2089, 0.2735

Triad

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



69.5096, 0.2233, 0.3237



69.5096, 0.3023, 0.2519



69.5096, 0.4129, 0.4089

Complementary

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



69.5096, 0.2233, 0.3237



19.5279, 0.6386, 0.3306

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.



69.5096, 0.4287, 0.3679



69.5096, 0.2233, 0.3237



69.5096, 0.3617, 0.2819

Square

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



69.5096, 0.2233, 0.3237



69.5096, 0.2510, 0.2383



69.5096, 0.4099, 0.3228



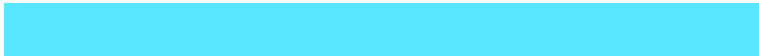
69.5096, 0.3702, 0.4333

Rectangle

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



69.5096, 0.2233, 0.3237



69.5096, 0.2128, 0.2517



69.5096, 0.4099, 0.3228



69.5096, 0.4218, 0.3963

Sweetspot

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



69.5122, 0.2233, 0.3237



87.4664, 0.2692, 0.3275



65.3154, 0.3000, 0.5997



18.4349, 0.2639, 0.3273



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.



69.5122, 0.2233, 0.3237



76.1007, 0.2232, 0.3237



20.7902, 0.1767, 0.1557



18.7084, 0.2981, 0.3286



37.4586, 0.2233, 0.3238



3.3069, 0.2235, 0.3244

Inverse Universe

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



25.7895, 0.3251, 0.1566



28.2136, 0.3251, 0.1565



33.6050, 0.5424, 0.4072



16.7633, 0.3141, 0.3061



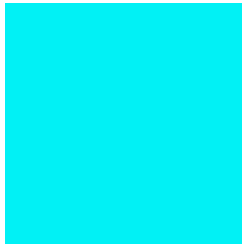
13.8808, 0.3250, 0.1564



1.2215, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 69.5096, 0.2233, 0.3237 looks on a white background.

Color Contrast Check

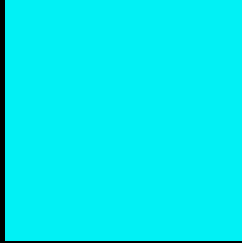
Large Text (above 18pt) WCAG AA × Fail

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 69.5096, 0.2233, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

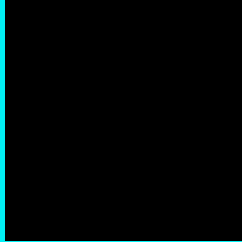
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5096, 0.2233, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 69.5096, 0.2233, 0.3237.

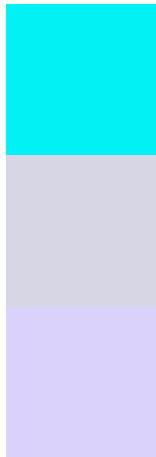


This preview shows how white text looks on a background with the Yxy color 69.5096, 0.2233, 0.3237.

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

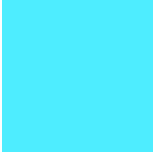
69.5096, 0.2233, 0.3237

Protanopia

68.1416, 0.3041, 0.3136

Deuteranopia

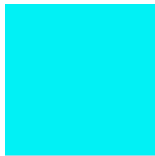
68.1815, 0.2915, 0.2846



Tritanopia

69.4081, 0.2276, 0.3069

Trichromacy



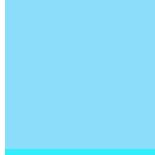
Original Color

69.5096, 0.2233, 0.3237



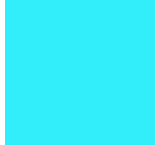
Protanomaly

64.5702, 0.2541, 0.3166



Deuteranomaly

64.1279, 0.2477, 0.2954



Tritanomaly

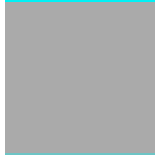
68.7922, 0.2241, 0.3126

Monochromacy



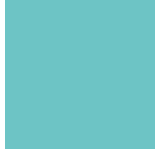
Original Color

69.5096, 0.2233, 0.3237



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.7623, 0.2529, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5096, 0.2233, 0.3237 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(1, 241, 245)` looks like.

```
.text, #text, p{  
    color:rgb(1, 241, 245)  
}
```

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(1, 241, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 241, 245) }
```

Border

The CSS property to change the border of an element to Yxy 69.5096, 0.2233, 0.3237 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(1, 241, 245) }
```

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

```
.border{ border-color:rgb(1, 241, 245) }
```

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

Here you see how a box with a 4 pixel rgb(1, 241, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 241, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 241, 245);  
box-shadow:4px 4px 4px 4px rgb(1, 241,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5096, 0.2233, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 241, 245) }
```

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

```
.background{ background-color: rgb(1, 241,  
245) }
```

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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