

Converting Colors

$Y_{xy}(68.4567, 0.2063, 0.3372)$

Have a look what the booklet for
Yxy(68.4567, 0.2063, 0.3372)
contains.

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Color

Yxy(71.5368, 0.2268, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	01F5EF
RGB	1, 245, 239
RGB Percent	0%, 96%, 94%
CMY	0.9953, 0.0393, 0.0627
CMYK	1.00, 0.00, 0.02, 0.04
HSL	179°, 99%, 48%
HSV	179°, 100%, 96%
XYZ	48.2443, 71.5368, 92.9362
YIQ	171.3600, -143.4980, -53.5940

Conversions

Conversions Part 2

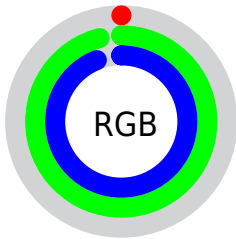
Format	Color
R _Y B	1, 125, 245
Decimal	128495
CIE Lab	87.75, -48.33, -10.85
CIE LCh	88, 49.533, 192.648
Yxy	71.5368, 0.2268, 0.3363
Android (android.graphics.Color)	4278318575 (0xFF01F5EF)
YUV	171.3600, 33.3465, -149.4057
Hunter-Lab	84.5794, -46.1973, -5.9424

Details

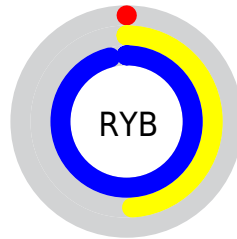
The Yxy color **71.5368, 0.2268, 0.3363** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.4522, 0.6377, 0.3290**, and the grayscale version is **40.8255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **39.3853, 0.2269, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **71.5301, 0.2268, 0.3363**, and if you desaturate by 10%, it is **71.7829, 0.2278, 0.3355**.

Distribution



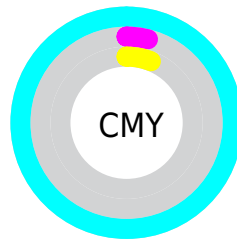
- Red (0%)
- Green (96%)
- Blue (94%)



- Red (0%)
- Yellow (49%)
- Blue (96%)



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




- Cyan (100%)
- Magenta (4%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5368, 0.2268, 0.3363 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 71.5368, 0.2268, 0.3363 by changing the saturation by 10% instead.


 71.5368, 0.2268,
0.3363


 71.5368, 0.2268,
0.3363


465.9278, 0.2655,
0.3341

 52.7804, 0.2183,
0.3365

 121.3978, 0.2400,
0.3358

 37.6275, 0.2079,
0.3366


 153.2711, 0.2452,
0.3355

 25.6937, 0.1950,
0.3365


 190.2855, 0.2497,
0.3352

 16.5946, 0.1788,
0.3360

 232.8254, 0.2537,
0.3350

 9.9459, 0.1576,
0.3346

 281.2752, 0.2572,
0.3347

 5.3631, 0.1294,
0.3311

336.0192, 0.2603,

 2.4618, 0.0901,

0.3345

0.3228

397.4420, 0.2630,
0.3343

0.8574, 0.0000,
0.3121

0.0000, 0.0000,
0.0000

71.5368, 0.2268,
0.3363

71.5368, 0.2268,
0.3363

71.5301, 0.2268,
0.3363

71.7829, 0.2278,
0.3355

72.2859, 0.2303,
0.3347

73.1220, 0.2346,
0.3339

74.3377, 0.2409,
0.3331

■ 75.9722, 0.2491,
0.3323

■ 78.0598, 0.2592,
0.3316

■ 80.6311, 0.2709,
0.3309

■ 83.7142, 0.2841,
0.3302

■ 87.3350, 0.2984,
0.3295

Harmonies

Analogous

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



71.5368, 0.2697, 0.3968



71.5368, 0.2268, 0.3363



71.5368, 0.2069, 0.2809

Triad

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



71.5368, 0.2268, 0.3363



71.5368, 0.2895, 0.2451



71.5368, 0.4223, 0.4030

Complementary

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



71.5368, 0.2268, 0.3363



19.4522, 0.6377, 0.3290

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.



71.5368, 0.4315, 0.3589



71.5368, 0.2268, 0.3363



71.5368, 0.3505, 0.2727

Square

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



71.5368, 0.2268, 0.3363



71.5368, 0.2402, 0.2351



71.5368, 0.4047, 0.3129



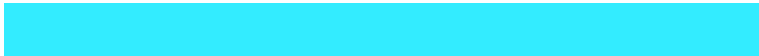
71.5368, 0.3829, 0.4336

Rectangle

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



71.5368, 0.2268, 0.3363



71.5368, 0.2074, 0.2552



71.5368, 0.4047, 0.3129



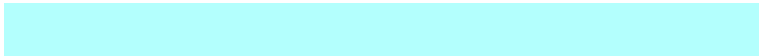
71.5368, 0.4292, 0.3891

Sweetspot

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



71.5395, 0.2268, 0.3363



88.1440, 0.2702, 0.3309



65.3617, 0.3005, 0.5993



18.6002, 0.2651, 0.3312



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.



71.5395, 0.2268, 0.3363



78.3439, 0.2268, 0.3364



22.8902, 0.1798, 0.1670



18.7504, 0.2984, 0.3295



38.5414, 0.2267, 0.3362



3.3896, 0.2265, 0.3352

Inverse Universe

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



19.4522, 0.6377, 0.3290



21.2737, 0.6383, 0.3290



31.6661, 0.5522, 0.3994



16.4891, 0.3290, 0.3285



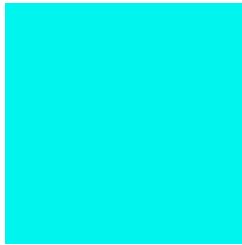
10.4679, 0.6375, 0.3286



0.9223, 0.6310, 0.3250

Previews

White Background



This preview shows how the Yxy color 71.5368, 0.2268, 0.3363 looks on a white background.

Color Contrast Check

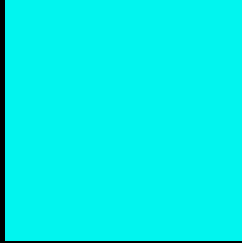
Large Text (above 18pt) WCAG AA × Fail

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 71.5368, 0.2268, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

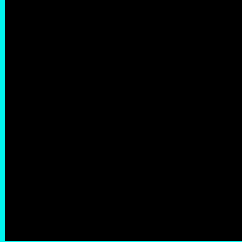
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.5368, 0.2268, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 71.5368, 0.2268, 0.3363.

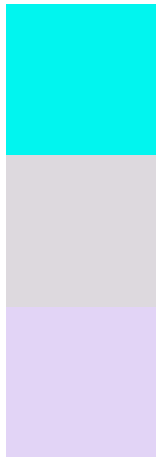


This preview shows how white text looks on a background with the Yxy color 71.5368, 0.2268, 0.3363.

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

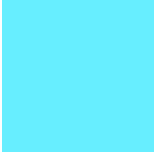
71.5433, 0.2268, 0.3363

Protanopia

70.2718, 0.3123, 0.3236

Deuteranopia

69.9095, 0.3001, 0.2933



Tritanopia

71.2526, 0.2347, 0.3085

Trichromacy



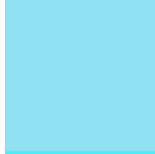
Original Color

71.5433, 0.2268, 0.3363



Protanomaly

66.2023, 0.2596, 0.3276



Deuteranomaly

65.7117, 0.2531, 0.3061



Tritanomaly

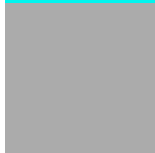
70.9084, 0.2285, 0.3189

Monochromacy



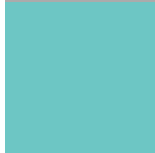
Original Color

71.5433, 0.2268, 0.3363



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

47.6249, 0.2540, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5368, 0.2268, 0.3363 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, 245, 239)` looks like.

```
.text, #text, p{  
    color:rgb(1, 245, 239)  
}
```

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, 245, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 245, 239) }
```

Border

The CSS property to change the border of an element to Yxy 71.5368, 0.2268, 0.3363 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, 245, 239) }
```

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

```
.border{ border-color:rgb(1, 245, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 245, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 245, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 245, 239);  
box-shadow:4px 4px 4px 4px rgb(1, 245,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5368, 0.2268, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 245, 239) }
```

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

```
.background{ background-color: rgb(1, 245,  
239) }
```

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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