

Converting Colors

$Y_{xy}(68.1080, 0.2383, 0.3777)$

Have a look what the booklet for
Yxy(68.1080, 0.2383, 0.3777)
contains.

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Color

Yxy(67.9669, 0.2382, 0.3773)

Conversions

Conversions Part 1

Format	Color
Hex	01F2CE
RGB	1, 242, 206
RGB Percent	0%, 95%, 81%
CMY	0.9950, 0.0510, 0.1921
CMYK	0.99, 0.00, 0.15, 0.05
HSL	171°, 99%, 48%
HSV	171°, 99%, 95%
XYZ	42.9094, 67.9669, 69.2639
YIQ	165.8370, -132.0800, -62.2880

Conversions

Conversions Part 2

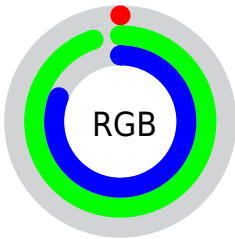
Format	Color
R _Y B	1, 131, 242
Decimal	127694
CIE Lab	85.99, -56.04, 3.84
CIE LCh	86, 56.176, 176.083
Yxy	67.9669, 0.2382, 0.3773
Android (android.graphics.Color)	4278317774 (0xFF01F2CE)
YUV	165.8370, 19.8004, -144.5620
Hunter-Lab	82.4420, -51.3680, 7.8968

Details

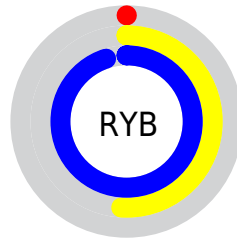
The Yxy color **67.9669, 0.2382, 0.3773** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.0398, 0.6213, 0.3200**, and the grayscale version is **38.0425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **36.9649, 0.2407, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **67.9521, 0.2382, 0.3776**, and if you desaturate by 10%, it is **68.3518, 0.2381, 0.3720**.

Distribution



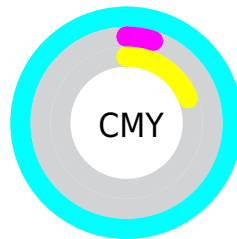
- Red (0%)
- Green (95%)
- Blue (81%)



- Red (0%)
- Yellow (51%)
- Blue (95%)



- Cyan (99%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9669, 0.2382, 0.3773 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 67.9669, 0.2382, 0.3773 by changing the saturation by 10% instead.


 67.9669, 0.2382,
0.3773


 67.9669, 0.2382,
0.3773


453.3787, 0.2730,
0.3544


 49.8708, 0.2302,
0.3826

 116.3048, 0.2503,
0.3693


 35.3108, 0.2204,
0.3893


 147.3154, 0.2550,
0.3662

 23.9024, 0.2080,
0.3978


 183.3996, 0.2590,
0.3635

 15.2612, 0.1919,
0.4090

 224.9418, 0.2625,
0.3612

 9.0029, 0.1702,
0.4245

 272.3264, 0.2656,
0.3592

 4.7431, 0.1398,
0.4469

325.9379, 0.2683,

 2.0973, 0.0739,

0.3574

0.4934

386.1605, 0.2708,
0.3558

■ 0.6631, 0.0000,
0.5938

■ 0.0000, 0.0000,
0.0000

■ 67.9669, 0.2382,
0.3773

■ 67.9669, 0.2382,
0.3773

■ 67.9521, 0.2382,
0.3776

■ 68.3518, 0.2381,
0.3720

■ 68.9908, 0.2397,
0.3667

■ 69.9577, 0.2431,
0.3613

■ 71.2977, 0.2486,
0.3560

■ 73.0487, 0.2559,
0.3508

■ 75.2439, 0.2650,
0.3458

■ 77.9133, 0.2756,
0.3411

■ 81.0840, 0.2874,
0.3366

■ 84.7812, 0.3001,
0.3325

Harmonies

Analogous

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



67.9669, 0.2974, 0.4380



67.9669, 0.2382, 0.3773



67.9669, 0.2014, 0.3054

Triad

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



67.9669, 0.2382, 0.3773



67.9669, 0.2522, 0.2252



67.9669, 0.4493, 0.3845

Complementary

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



67.9669, 0.2382, 0.3773



19.0398, 0.6213, 0.3200

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.



67.9669, 0.4377, 0.3324



67.9669, 0.2382, 0.3773



67.9669, 0.3162, 0.2459

Square

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



67.9669, 0.2382, 0.3773



67.9669, 0.2093, 0.2261



67.9669, 0.3866, 0.2838



67.9669, 0.4205, 0.4311

Rectangle

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



67.9669, 0.2382, 0.3773



67.9669, 0.1921, 0.2669



67.9669, 0.3866, 0.2838



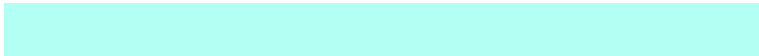
67.9669, 0.4503, 0.3672

Sweetspot

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



67.9695, 0.2382, 0.3773



87.5497, 0.2749, 0.3414



63.9070, 0.3038, 0.5967



18.4559, 0.2703, 0.3433



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.



67.9695, 0.2382, 0.3773



76.5241, 0.2383, 0.3777



30.7852, 0.1914, 0.2088



17.8860, 0.3001, 0.3325



36.5208, 0.2380, 0.3767



3.0491, 0.2360, 0.3697

Inverse Universe

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



19.0398, 0.6213, 0.3200



21.4006, 0.6229, 0.3205



25.4597, 0.5851, 0.3732



15.7973, 0.3270, 0.3255



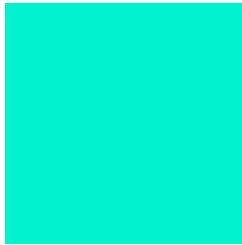
10.2222, 0.6194, 0.3186



0.8620, 0.5877, 0.3011

Previews

White Background



This preview shows how the Yxy color 67.9669, 0.2382, 0.3773 looks on a white background.

Color Contrast Check

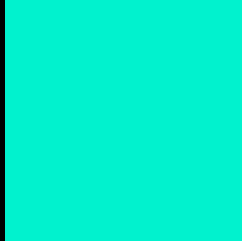
Large Text (above 18pt) WCAG AA × Fail

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 67.9669, 0.2382, 0.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

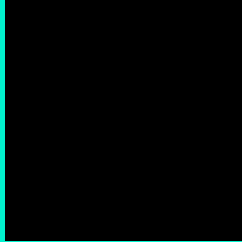
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9669, 0.2382, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 67.9669, 0.2382, 0.3773.



This preview shows how white text looks on a background with the Yxy color 67.9669, 0.2382, 0.3773.

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

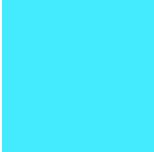
67.9669, 0.2382, 0.3773

Protanopia

66.3343, 0.3358, 0.3538

Deuteranopia

66.3213, 0.3276, 0.3204



Tritanopia

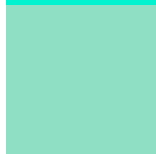
67.8014, 0.2251, 0.3054

Trichromacy



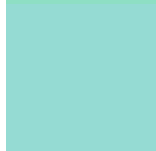
Original Color

67.9669, 0.2382, 0.3773



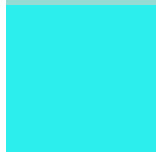
Protanomaly

62.5117, 0.2765, 0.3639



Deuteranomaly

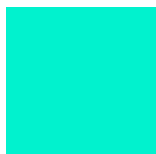
61.7557, 0.2716, 0.3390



Tritanomaly

67.7990, 0.2283, 0.3300

Monochromacy



Original Color

67.9669, 0.2382, 0.3773



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.9839, 0.2599, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9669, 0.2382, 0.3773 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, 242, 206)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 206)  
}
```

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, 242, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 206) }
```

Border

The CSS property to change the border of an element to Yxy 67.9669, 0.2382, 0.3773 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, 242, 206) }
```

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

```
.border{ border-color:rgb(1, 242, 206) }
```

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

Here you see how a box with a 4 pixel rgb(1, 242, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 206);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9669, 0.2382, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 242, 206) }
```

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

```
.background{ background-color: rgb(1, 242,  
206) }
```

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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