

Converting Colors

$Yxy(71.1345, 0.2404, 0.3855)$

Have a look what the booklet for
Yxy(71.1345, 0.2404, 0.3855)
contains.

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Color

Yxy(70.9293, 0.2402, 0.3848)

Conversions

Conversions Part 1

Format	Color
Hex	00F7CD
RGB	0, 247, 205
RGB Percent	0%, 97%, 80%
CMY	1.0000, 0.0313, 0.1960
CMYK	1.00, 0.00, 0.17, 0.03
HSL	170°, 100%, 48%
HSV	170°, 100%, 97%
XYZ	44.2755, 70.9293, 69.1229
YIQ	168.3590, -133.7300, -65.4260

Conversions

Conversions Part 2

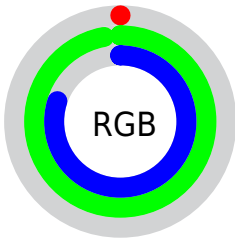
Format	Color
RYB	0, 135, 247
Decimal	63437
CIELab	87.45, -58.31, 6.47
CIELCh	87, 58.671, 173.666
Yxy	70.9293, 0.2402, 0.3848
Android (android.graphics.Color)	4278253517 (0xFF00F7CD)
YUV	168.3590, 18.0640, -147.6508
Hunter-Lab	84.2195, -53.5440, 10.2916

Details

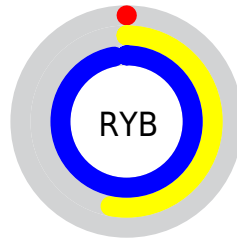
The Yxy color **70.9293, 0.2402, 0.3848** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.9430, 0.6183, 0.3180**, and the grayscale version is **39.3057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **38.6296, 0.2430, 0.3946** is the 20% darker color. If you saturate the color by 10%, you get **70.9359, 0.2402, 0.3848**, and if you desaturate by 10%, it is **71.3443, 0.2399, 0.3787**.

Distribution



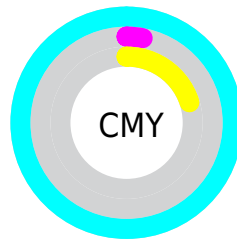
- Red (0%)
- Green (97%)
- Blue (80%)



- Red (0%)
- Yellow (53%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9293, 0.2402, 0.3848 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 70.9293, 0.2402, 0.3848 by changing the saturation by 10% instead.


 70.9293, 0.2402,
0.3848


 70.9293, 0.2402,
0.3848


463.8062, 0.2739,
0.3583


 52.2845, 0.2325,
0.3910

 120.5331, 0.2519,
0.3755

 37.2319, 0.2230,
0.3988


 152.2608, 0.2565,
0.3719


 25.3871, 0.2110,
0.4088


 189.1183, 0.2604,
0.3688

 16.3657, 0.1954,
0.4220

 231.4900, 0.2638,
0.3661

 9.7833, 0.1744,
0.4403

 279.7602, 0.2668,
0.3638

 5.2555, 0.1450,
0.4671


334.3134, 0.2695,


 2.3979, 0.0890,


0.3617


0.5171


395.5340, 0.2718,
0.3599

 0.8248, 0.0000,
0.6493


 0.0000, 0.0000,
0.0000


 70.9293, 0.2402,
0.3848


 70.9293, 0.2402,
0.3848


 70.9359, 0.2402,
0.3848

 71.3443, 0.2399,
0.3787


 72.0155, 0.2411,
0.3726


 73.0290, 0.2443,
0.3664


 74.4329, 0.2495,
0.3603

 76.2673, 0.2566,
0.3543

 78.5675, 0.2654,
0.3485

 81.3651, 0.2757,
0.3431

 84.6889, 0.2872,
0.3380

 88.5653, 0.2997,
0.3333

Harmonies

Analogous

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



70.9293, 0.3022, 0.4450



70.9293, 0.2402, 0.3848



70.9293, 0.2004, 0.3100

Triad

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



70.9293, 0.2402, 0.3848



70.9293, 0.2460, 0.2218



70.9293, 0.4539, 0.3813

Complementary

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



70.9293, 0.2402, 0.3848



19.9430, 0.6183, 0.3180

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.



70.9293, 0.4385, 0.3280



70.9293, 0.2402, 0.3848



70.9293, 0.3103, 0.2413

Square

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



70.9293, 0.2402, 0.3848



70.9293, 0.2043, 0.2245



70.9293, 0.3832, 0.2789



70.9293, 0.4270, 0.4302

Rectangle

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



70.9293, 0.2402, 0.3848



70.9293, 0.1895, 0.2691



70.9293, 0.3832, 0.2789



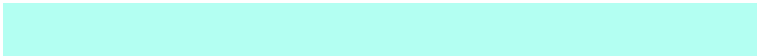
70.9293, 0.4538, 0.3635

Sweetspot

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



70.9359, 0.2402, 0.3848



87.4547, 0.2756, 0.3431



67.0917, 0.3052, 0.5959



18.4329, 0.2711, 0.3454



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.



70.9359, 0.2402, 0.3848



76.2557, 0.2403, 0.3849



35.0138, 0.1945, 0.2201



18.7066, 0.3003, 0.3330



37.5309, 0.2399, 0.3838



3.3111, 0.2378, 0.3761

Inverse Universe

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



19.9430, 0.6183, 0.3180



21.4370, 0.6186, 0.3182



25.2559, 0.5951, 0.3657



16.5285, 0.3267, 0.3250



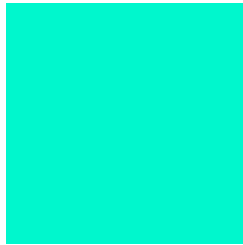
10.5603, 0.6150, 0.3162



0.9410, 0.5834, 0.2988

Previews

White Background



This preview shows how the Yxy color 70.9293, 0.2402, 0.3848 looks on a white background.

Color Contrast Check

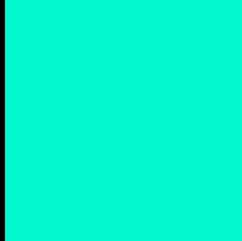
Large Text (above 18pt) WCAG AA × Fail

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 70.9293, 0.2402, 0.3848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

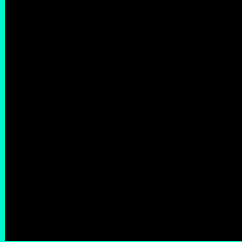
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.9293, 0.2402, 0.3848

Background



This preview shows how black text looks on a background with the Yxy color 70.9293, 0.2402, 0.3848.

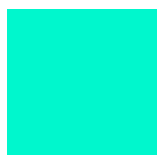


This preview shows how white text looks on a background with the Yxy color 70.9293, 0.2402, 0.3848.

Color Blindness Simulation

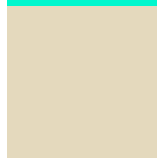
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



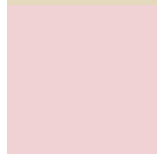
Original Color

70.9293, 0.2402, 0.3848



Protanopia

69.7938, 0.3403, 0.3599



Deuteranopia

69.4225, 0.3333, 0.3259



Tritanopia

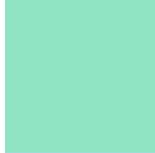
70.4977, 0.2335, 0.3072

Trichromacy



Original Color

70.9293, 0.2402, 0.3848



Protanomaly

65.4467, 0.2793, 0.3710



Deuteranomaly

64.2008, 0.2750, 0.3451



Tritanomaly

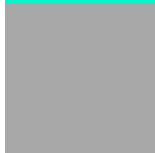
70.1150, 0.2326, 0.3338

Monochromacy



Original Color

70.9293, 0.2402, 0.3848



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

46.3945, 0.2611, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9293, 0.2402, 0.3848 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(0, 247, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 205)  
}
```

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(0, 247, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 205) }
```

Border

The CSS property to change the border of an element to Yxy 70.9293, 0.2402, 0.3848 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(0, 247, 205) }
```

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

```
.border{ border-color:rgb(0, 247, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 247, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9293, 0.2402, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 205) }
```

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

```
.background{ background-color: rgb(0, 247,  
205) }
```

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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