

Converting Colors

$Y_{xy}(70.3097, 0.2186, 0.3717)$

Have a look what the booklet for
Yxy(70.3097, 0.2186, 0.3717)
contains.

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Color

Yxy(72.8133, 0.2359, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	01F9DA
RGB	1, 249, 218
RGB Percent	0%, 98%, 85%
CMY	0.9967, 0.0235, 0.1451
CMYK	1.00, 0.00, 0.12, 0.02
HSL	173°, 99%, 49%
HSV	173°, 100%, 98%
XYZ	46.5366, 72.8133, 77.9227
YIQ	171.3140, -137.8570, -62.2170

Conversions

Conversions Part 2

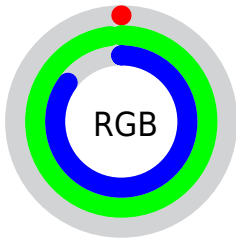
Format	Color
R_{YB}	1, 133, 249
Decimal	129498
CIE _{Lab}	88.36, -55.74, 1.03
CIE _{LCh}	88, 55.747, 178.937
Yxy	72.8133, 0.2359, 0.3691
Android (android.graphics.Color)	4278319578 (0xFF01F9DA)
YUV	171.3140, 23.0162, -149.3654
Hunter-Lab	85.3307, -51.9806, 5.5888

Details

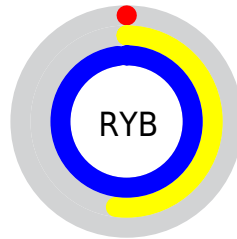
The Yxy color **72.8133, 0.2359, 0.3691** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.2609, 0.6264, 0.3227**, and the grayscale version is **40.7982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **39.9059, 0.2377, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **72.8051, 0.2359, 0.3692**, and if you desaturate by 10%, it is **73.1913, 0.2360, 0.3648**.

Distribution



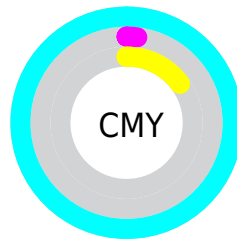
- Red (0%)
- Green (98%)
- Blue (85%)



- Red (0%)
- Yellow (52%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8133, 0.2359, 0.3691 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 72.8133, 0.2359, 0.3691 by changing the saturation by 10% instead.


 72.8133, 0.2359,
0.3691


 72.8133, 0.2359,
0.3691

470.3675, 0.2711,
0.3506


 53.8233, 0.2280,
0.3733

 123.2121, 0.2480,
0.3627

 38.4604, 0.2183,
0.3784


 155.3898, 0.2527,
0.3602


 26.3402, 0.2062,
0.3848

 192.7321, 0.2568,
0.3581

 17.0783, 0.1907,
0.3931

 235.6234, 0.2604,
0.3562

 10.2904, 0.1701,
0.4042

 284.4483, 0.2636,
0.3546

 5.5919, 0.1418,
0.4196

339.5910, 0.2664,

 2.5986, 0.0976,

0.3531

0.4439

401.4359, 0.2688,
0.3518

■ 0.9259, 0.0000,
0.4975

■ 0.0000, 0.0000,
0.0000

■ 72.8133, 0.2359,
0.3691

■ 72.8133, 0.2359,
0.3691

■ 72.8051, 0.2359,
0.3692

■ 73.1913, 0.2360,
0.3648

■ 73.8372, 0.2377,
0.3604


■ 74.8310, 0.2413,
0.3559

■ 76.2215, 0.2469,
0.3515

 78.0495, 0.2543,
0.3472

 80.3507, 0.2636,
0.3431

 83.1572, 0.2744,
0.3391

 86.4982, 0.2864,
0.3354

 90.4007, 0.2995,
0.3320

Harmonies

Analogous

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



72.8133, 0.2920, 0.4302



72.8133, 0.2359, 0.3691



72.8133, 0.2023, 0.3004

Triad

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



72.8133, 0.2359, 0.3691



72.8133, 0.2591, 0.2289



72.8133, 0.4443, 0.3881

Complementary

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



72.8133, 0.2359, 0.3691



20.2609, 0.6264, 0.3227

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.



72.8133, 0.4368, 0.3375



72.8133, 0.2359, 0.3691



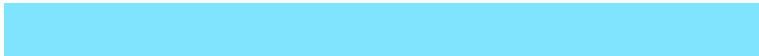
72.8133, 0.3228, 0.2509

Square

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



72.8133, 0.2359, 0.3691



72.8133, 0.2150, 0.2278



72.8133, 0.3903, 0.2893



72.8133, 0.4134, 0.4320

Rectangle

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



72.8133, 0.2359, 0.3691



72.8133, 0.1949, 0.2645



72.8133, 0.3903, 0.2893



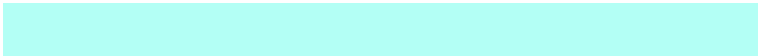
72.8133, 0.4465, 0.3715

Sweetspot

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



72.8161, 0.2359, 0.3691



87.6638, 0.2740, 0.3393



68.0900, 0.3030, 0.5974



18.4835, 0.2692, 0.3409



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.



72.8161, 0.2359, 0.3691



76.8551, 0.2359, 0.3693



31.3011, 0.1896, 0.2023



19.5691, 0.2997, 0.3320



38.9873, 0.2357, 0.3685



3.6210, 0.2343, 0.3633

Inverse Universe

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



20.2609, 0.6264, 0.3227



21.3635, 0.6273, 0.3229



27.7665, 0.5813, 0.3764



17.2605, 0.3274, 0.3261



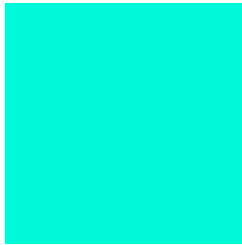
10.8447, 0.6245, 0.3214



1.0152, 0.5987, 0.3072

Previews

White Background



This preview shows how the Yxy color 72.8133, 0.2359, 0.3691 looks on a white background.

Color Contrast Check

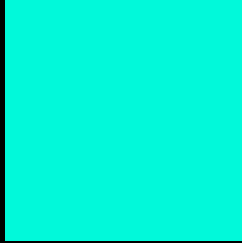
Large Text (above 18pt) WCAG AA × Fail

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 72.8133, 0.2359, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

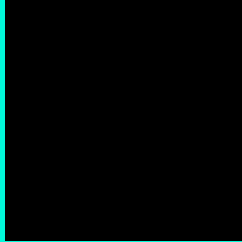
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8133, 0.2359, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 72.8133, 0.2359, 0.3691.

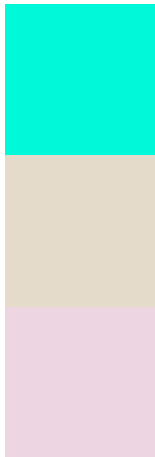


This preview shows how white text looks on a background with the Yxy color 72.8133, 0.2359, 0.3691.

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

72.8198, 0.2359, 0.3691

Protanopia

71.4213, 0.3309, 0.3476

Deuteranopia

71.2566, 0.3222, 0.3154



Tritanopia

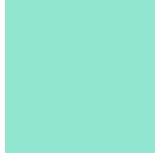
72.6660, 0.2394, 0.3099

Trichromacy



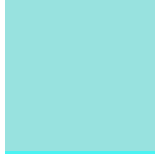
Original Color

72.8198, 0.2359, 0.3691



Protanomaly

67.1674, 0.2725, 0.3564



Deuteranomaly

66.3958, 0.2678, 0.3325



Tritanomaly

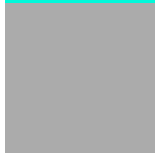
71.9678, 0.2334, 0.3300

Monochromacy



Original Color

72.8198, 0.2359, 0.3691



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

47.7289, 0.2587, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8133, 0.2359, 0.3691 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, 249, 218)` looks like.

```
.text, #text, p{  
    color:rgb(1, 249, 218)  
}
```

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, 249, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 249, 218) }
```

Border

The CSS property to change the border of an element to Yxy 72.8133, 0.2359, 0.3691 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, 249, 218) }
```

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

```
.border{ border-color:rgb(1, 249, 218) }
```

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

Here you see how a box with a 4 pixel rgb(1, 249, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 249, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 249, 218);  
box-shadow:4px 4px 4px 4px rgb(1, 249,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8133, 0.2359, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 249, 218) }
```

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

```
.background{ background-color: rgb(1, 249,  
218) }
```

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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