

Converting Colors

$Y_{xy}(72.0653, 0.2417, 0.3900)$

Have a look what the booklet for
Yxy(72.0653, 0.2417, 0.3900)
contains.

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Color

Yxy(72.0696, 0.2417, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	01F9CB
RGB	1, 249, 203
RGB Percent	0%, 98%, 80%
CMY	0.9974, 0.0235, 0.2039
CMYK	1.00, 0.00, 0.18, 0.02
HSL	169°, 99%, 49%
HSV	169°, 100%, 98%
XYZ	44.6647, 72.0696, 68.0596
YIQ	169.6040, -133.0420, -66.8820

Conversions

Conversions Part 2

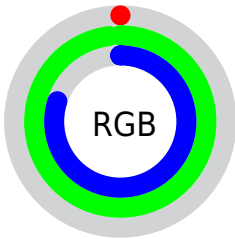
Format	Color
R_{YB}	1, 138, 249
Decimal	129483
CIE _{Lab}	88.00, -59.56, 8.31
CIE _{LCh}	88, 60.134, 172.057
Yxy	72.0696, 0.2417, 0.3900
Android (android.graphics.Color)	4278319563 (0xFF01F9CB)
YUV	169.6040, 16.4642, -147.8657
Hunter-Lab	84.8938, -54.6510, 11.8927

Details

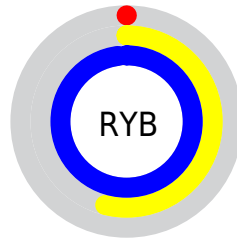
The Yxy color **72.0696, 0.2417, 0.3900** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.3583, 0.6143, 0.3159**, and the grayscale version is **39.9086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **39.4315, 0.2448, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **72.0621, 0.2417, 0.3902**, and if you desaturate by 10%, it is **72.5053, 0.2412, 0.3833**.

Distribution



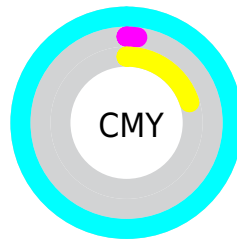
- Red (0%)
- Green (98%)
- Blue (80%)



- Red (0%)
- Yellow (54%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0696, 0.2417, 0.3900 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 72.0696, 0.2417, 0.3900 by changing the saturation by 10% instead.


 72.0696, 0.2417,
0.3900


 72.0696, 0.2417,
0.3900


467.7838, 0.2748,
0.3609


 53.2155, 0.2341,
0.3969


 122.1555, 0.2532,
0.3797


 37.9749, 0.2248,
0.4055


 154.1561, 0.2577,
0.3758


 25.9632, 0.2130,
0.4165

 191.3076, 0.2615,
0.3724

 16.7961, 0.1976,
0.4312

 233.9946, 0.2649,
0.3695

 10.0892, 0.1769,
0.4516

 282.6013, 0.2678,
0.3669

 5.4582, 0.1478,
0.4818


337.5121, 0.2704,

 2.5185, 0.0938,

0.3646


0.5367

399.1115, 0.2727,
0.3626


 0.8859, 0.0000,
0.6978


 0.0000, 0.0000,
0.0000


 72.0696, 0.2417,
0.3900

 72.0696, 0.2417,
0.3900


 72.0621, 0.2417,
0.3902


 72.5053, 0.2412,
0.3833


 73.2113, 0.2424,
0.3765

 74.2686, 0.2455,
0.3698


 75.7259, 0.2506,
0.3630

 77.6241, 0.2576,
0.3565

 79.9989, 0.2664,
0.3502

 82.8826, 0.2766,
0.3442

 86.3044, 0.2879,
0.3387

 90.2914, 0.3002,
0.3335

Harmonies

Analogous

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



72.0696, 0.3055, 0.4496



72.0696, 0.2417, 0.3900



72.0696, 0.1999, 0.3132

Triad

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



72.0696, 0.2417, 0.3900



72.0696, 0.2419, 0.2196



72.0696, 0.4569, 0.3790

Complementary

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



72.0696, 0.2417, 0.3900



20.3583, 0.6143, 0.3159

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.



72.0696, 0.4389, 0.3249



72.0696, 0.2417, 0.3900



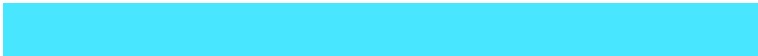
72.0696, 0.3063, 0.2383

Square

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



72.0696, 0.2417, 0.3900



72.0696, 0.2009, 0.2236



72.0696, 0.3808, 0.2755



72.0696, 0.4313, 0.4294

Rectangle

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



72.0696, 0.2417, 0.3900



72.0696, 0.1878, 0.2707



72.0696, 0.3808, 0.2755



72.0696, 0.4560, 0.3609

Sweetspot

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



72.0724, 0.2417, 0.3900



87.3849, 0.2762, 0.3444



68.4442, 0.3061, 0.5950



18.4160, 0.2718, 0.3469



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.



72.0724, 0.2417, 0.3900



76.0625, 0.2417, 0.3903



37.3128, 0.1963, 0.2264



19.5502, 0.3005, 0.3334



38.5909, 0.2414, 0.3891



3.5880, 0.2392, 0.3810

Inverse Universe

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



20.3583, 0.6143, 0.3159



21.4671, 0.6152, 0.3162



25.1983, 0.5987, 0.3626



17.2777, 0.3265, 0.3246



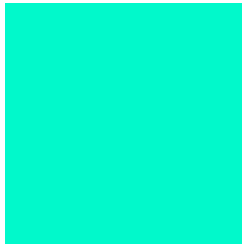
10.9016, 0.6116, 0.3143



1.0234, 0.5809, 0.2974

Previews

White Background



This preview shows how the Yxy color 72.0696, 0.2417, 0.3900 looks on a white background.

Color Contrast Check

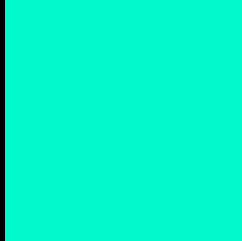
Large Text (above 18pt) WCAG AA × Fail

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 72.0696, 0.2417, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

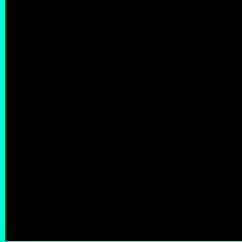
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.0696, 0.2417, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 72.0696, 0.2417, 0.3900.



This preview shows how white text looks on a background with the Yxy color 72.0696, 0.2417, 0.3900.

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

72.0696, 0.2417, 0.3900

Protanopia

70.5537, 0.3431, 0.3630

Deuteranopia

70.3464, 0.3369, 0.3291



Tritanopia

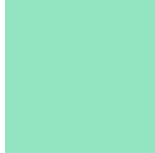
71.7486, 0.2374, 0.3086

Trichromacy



Original Color

72.0696, 0.2417, 0.3900



Protanomaly

66.0919, 0.2817, 0.3748



Deuteranomaly

65.3731, 0.2775, 0.3500



Tritanomaly

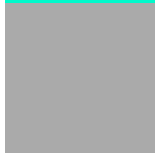
70.9000, 0.2347, 0.3363

Monochromacy



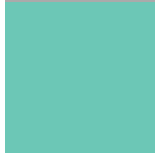
Original Color

72.0696, 0.2417, 0.3900



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.4124, 0.2615, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0696, 0.2417, 0.3900 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(1, 249, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 249, 203) }
```

Border

The CSS property to change the border of an element to Yxy 72.0696, 0.2417, 0.3900 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, 203) }
```

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

```
.border{ border-color:rgb(1, 249, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 249, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 249, 203);  
box-shadow:4px 4px 4px 4px rgb(1, 249,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0696, 0.2417, 0.3900 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, 203) }
```

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

```
.background{ background-color: rgb(1, 249,  
203) }
```

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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