

Converting Colors

$Y_{xy}(98.9885, 0.2222, 0.4303)$

Have a look what the booklet for
Yxy(98.9885, 0.2222, 0.4303)
contains.

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Color

Yxy(76.3750, 0.2394, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	01FFD6
RGB	1, 255, 214
RGB Percent	0%, 100%, 84%
CMY	0.9966, 0.0000, 0.1609
CMYK	1.00, 0.00, 0.16, 0.00
HSL	170°, 100%, 50%
HSV	170°, 100%, 100%
XYZ	47.9020, 76.3750, 75.8147
YIQ	174.3800, -138.2230, -66.5990

Conversions

Conversions Part 2

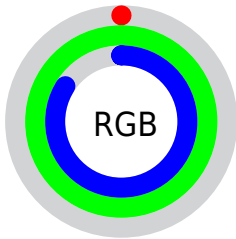
Format	Color
R_{YB}	1, 139, 255
Decimal	131030
CIE _{Lab}	90.03, -59.14, 5.55
CIE _{LCh}	90, 59.398, 174.640
Yxy	76.3750, 0.2394, 0.3817
Android (android.graphics.Color)	4278321110 (0xFF01FFD6)
YUV	174.3800, 19.5327, -152.0543
Hunter-Lab	87.3928, -55.0975, 9.7399

Details

The Yxy color **76.3750, 0.2394, 0.3817** 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 **21.4448, 0.6197, 0.3190**, and the grayscale version is **42.4590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **42.4357, 0.2422, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **76.3653, 0.2394, 0.3819**, and if you desaturate by 10%, it is **76.8098, 0.2392, 0.3759**.

Distribution



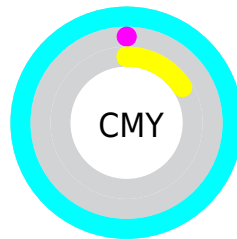
- Red (0%)
- Green (100%)
- Blue (84%)



- Red (0%)
- Yellow (55%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3750, 0.2394, 0.3817 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 76.3750, 0.2394, 0.3817 by changing the saturation by 10% instead.


 76.3750, 0.2394,
0.3817

 76.3750, 0.2394,
0.3817


482.6304, 0.2730,
0.3571


 56.7401, 0.2318,
0.3874


 128.2569, 0.2510,
0.3731


 40.7966, 0.2226,
0.3944


 161.2725, 0.2555,
0.3698


 28.1602, 0.2110,
0.4033


 199.5173, 0.2594,
0.3669

 18.4464, 0.1961,
0.4150

 243.3755, 0.2628,
0.3644

 11.2710, 0.1763,
0.4308

 293.2315, 0.2658,
0.3623

 6.2494, 0.1491,
0.4536

349.4697, 0.2685,

 2.9973, 0.1084,

0.3603

0.4892

412.4746, 0.2709,
0.3586

■ 1.1303, 0.0000,
0.5791

■ 0.0037, 0.0000,
1.0000

■ 76.3750, 0.2394,
0.3817

■ 76.3750, 0.2394,
0.3817


■ 76.3653, 0.2394,
0.3819

■ 76.8098, 0.2392,
0.3759


■ 77.5301, 0.2405,
0.3701


■ 78.6203, 0.2438,
0.3643


■ 80.1320, 0.2491,
0.3585

 82.1085, 0.2563,
0.3528

 84.5878, 0.2653,
0.3474

 87.6039, 0.2757,
0.3422

 91.1877, 0.2874,
0.3374

 95.3679, 0.3000,
0.3329

Harmonies

Analogous

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



76.3750, 0.3002, 0.4421



76.3750, 0.2394, 0.3817



76.3750, 0.2008, 0.3081

Triad

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



76.3750, 0.2394, 0.3817



76.3750, 0.2486, 0.2232



76.3750, 0.4520, 0.3826

Complementary

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



76.3750, 0.2394, 0.3817



21.4448, 0.6197, 0.3190

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.



76.3750, 0.4382, 0.3298



76.3750, 0.2394, 0.3817



76.3750, 0.3127, 0.2432

Square

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



76.3750, 0.2394, 0.3817



76.3750, 0.2063, 0.2252



76.3750, 0.3846, 0.2809



76.3750, 0.4243, 0.4305

Rectangle

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



76.3750, 0.2394, 0.3817



76.3750, 0.1906, 0.2682



76.3750, 0.3846, 0.2809



76.3750, 0.4523, 0.3650

Sweetspot

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



76.3779, 0.2394, 0.3817



87.4942, 0.2753, 0.3424



72.0390, 0.3044, 0.5963



18.4424, 0.2708, 0.3445



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.



76.3779, 0.2394, 0.3817



76.3665, 0.2394, 0.3819



36.0824, 0.1929, 0.2142



20.4281, 0.3002, 0.3329



39.9220, 0.2392, 0.3809



3.8999, 0.2373, 0.3743

Inverse Universe

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



21.4448, 0.6197, 0.3190



21.4213, 0.6205, 0.3192



27.8494, 0.5904, 0.3692



18.0349, 0.3269, 0.3252



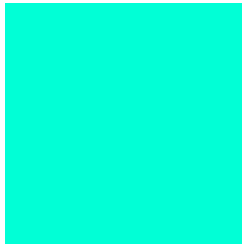
11.2071, 0.6173, 0.3174



1.1042, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 76.3750, 0.2394, 0.3817 looks on a white background.

Color Contrast Check

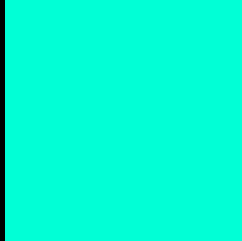
Large Text (above 18pt) WCAG AA × Fail

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 76.3750, 0.2394, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

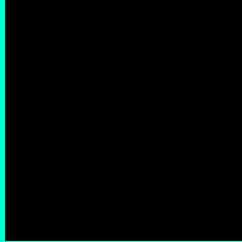
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

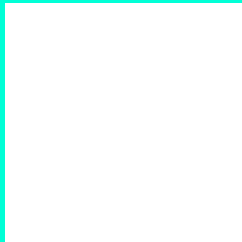
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3750, 0.2394, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 76.3750, 0.2394, 0.3817.

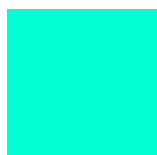


This preview shows how white text looks on a background with the Yxy color 76.3750, 0.2394, 0.3817.

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

76.3815, 0.2394, 0.3817



Protanopia

75.0047, 0.3388, 0.3579



Deuteranopia

74.6738, 0.3312, 0.3239



Tritanopia

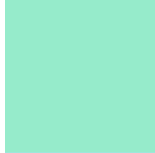
75.9702, 0.2505, 0.3128

Trichromacy



Original Color

76.3815, 0.2394, 0.3817



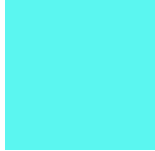
Protanomaly

70.2125, 0.2785, 0.3685



Deuteranomaly

69.4344, 0.2733, 0.3434



Tritanomaly

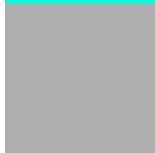
74.4270, 0.2393, 0.3361

Monochromacy



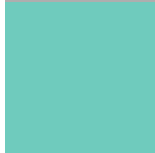
Original Color

76.3815, 0.2394, 0.3817



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.7655, 0.2600, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3750, 0.2394, 0.3817 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, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 214)  
}
```

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, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 76.3750, 0.2394, 0.3817 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, 255, 214) }
```

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

```
.border{ border-color:rgb(1, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(1, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3750, 0.2394, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 214) }
```

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

```
.background{ background-color: rgb(1, 255,  
214) }
```

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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