

Converting Colors

$Y_{xy}(76.0310, 0.2461, 0.3991)$

Have a look what the booklet for
Yxy(76.0310, 0.2461, 0.3991)
contains.

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Color

Yxy(76.0284, 0.2462, 0.3994)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 1FFFC9 |
| RGB | 31, 255, 201 |
| RGB Percent | 12%, 100%, 79% |
| CMY | 0.8787, 0.0000, 0.2118 |
| CMYK | 0.88, 0.00, 0.21, 0.00 |
| HSL | 166°, 100%, 56% |
| HSV | 166°, 88%, 100% |
| XYZ | 46.8658, 76.0284, 67.4624 |
| YIQ | 181.8680, -116.1700, -64.2820 |

Conversions

Conversions Part 2

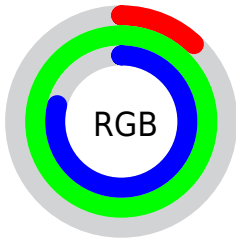
| Format | Color |
|-------------------------------------|---|
| RYB | 31, 158, 255 |
| Decimal | 2097097 |
| CIELab | 89.87, -61.34, 12.04 |
| CIELCh | 90, 62.506, 168.898 |
| Yxy | 76.0284, 0.2462, 0.3994 |
| Android (android.graphics.Color) | 4280287177 (0xFF1FFFC9) |
| YUV | 181.8680, 9.4321, -132.3112 |
| Hunter-Lab | 87.1943, -56.6485, 15.1632 |

Details

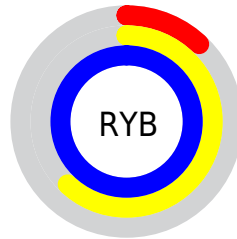
The Yxy color **76.0284, 0.2462, 0.3994** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.8916, 0.5634, 0.2974**, and the grayscale version is **46.6876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **42.0391, 0.2482, 0.4135** is the 20% darker color. If you saturate the color by 10%, you get **75.4887, 0.2470, 0.4084**, and if you desaturate by 10%, it is **76.8856, 0.2472, 0.3903**.

Distribution



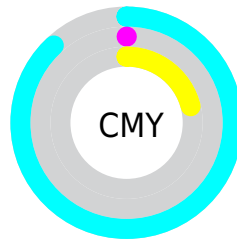
- Red (12%)
- Green (100%)
- Blue (79%)



- Red (12%)
- Yellow (62%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (88%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.0284, 0.2462, 0.3994 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 76.0284, 0.2462, 0.3994 by changing the saturation by 10% instead.


 76.0284, 0.2462,
0.3994


 76.0284, 0.2462,
0.3994


481.4449, 0.2772,
0.3657


 56.4558, 0.2391,
0.4074


 127.7671, 0.2570,
0.3875

 40.5685, 0.2303,
0.4173


 160.7019, 0.2612,
0.3829

 27.9821, 0.2193,
0.4301


 198.8596, 0.2648,
0.3790

 18.3121, 0.2048,
0.4472

 242.6246, 0.2679,
0.3756

 11.1743, 0.1853,
0.4710

292.3812, 0.2707,
0.3727

 6.1842, 0.1579,
0.5062


348.5138, 0.2731,


 2.9574, 0.1134,


0.3701


0.5651


411.4070, 0.2753,
0.3678


 1.1095, 0.0000,
0.7610


 0.0000, 0.0000,
0.0000


 76.0284, 0.2462,
0.3994


 76.0284, 0.2462,
0.3994


 75.4887, 0.2470,
0.4084

 76.8856, 0.2472,
0.3903


 75.3946, 0.2473,
0.4103


 78.1300, 0.2502,
0.3812


 79.8105, 0.2553,
0.3723

 81.9696, 0.2621,
0.3636

 84.6443, 0.2707,
0.3554

 87.8683, 0.2806,
0.3476

 91.6721, 0.2915,
0.3404

 96.0840, 0.3032,
0.3338

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



76.0284, 0.3127, 0.4562



76.0284, 0.2462, 0.3994



76.0284, 0.2009, 0.3206

Triad

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



76.0284, 0.2462, 0.3994



76.0284, 0.2349, 0.2169



76.0284, 0.4601, 0.3737

Complementary

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



76.0284, 0.2462, 0.3994



22.8916, 0.5634, 0.2974

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.



76.0284, 0.4370, 0.3190



76.0284, 0.2462, 0.3994



76.0284, 0.2983, 0.2337

Square

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



76.0284, 0.2462, 0.3994



76.0284, 0.1961, 0.2235



76.0284, 0.3744, 0.2698



76.0284, 0.4380, 0.4262

Rectangle

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



76.0284, 0.2462, 0.3994



76.0284, 0.1867, 0.2754



76.0284, 0.3744, 0.2698



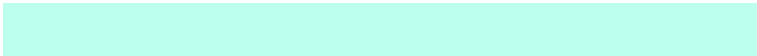
76.0284, 0.4576, 0.3553

Sweetspot

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



76.0274, 0.2462, 0.3994



88.5338, 0.2825, 0.3462



73.6426, 0.3145, 0.5800



18.6891, 0.2789, 0.3488



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.



76.0274, 0.2462, 0.3994



75.3946, 0.2473, 0.4103



48.3500, 0.2062, 0.2555



20.4022, 0.3012, 0.3348



39.4200, 0.2469, 0.4088



3.8553, 0.2440, 0.3985

Inverse Universe

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



22.8916, 0.5634, 0.2974



21.6018, 0.6003, 0.3080



28.1674, 0.5798, 0.3638



18.0588, 0.3256, 0.3233



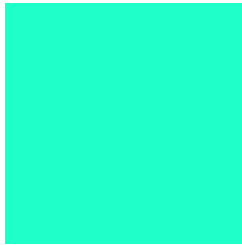
11.3068, 0.5963, 0.3059



1.1172, 0.5651, 0.2887

Previews

White Background



This preview shows how the Yxy color 76.0284, 0.2462, 0.3994 looks on a white background.

Color Contrast Check

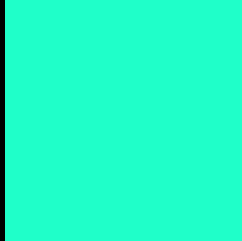
Large Text (above 18pt) WCAG AA × Fail

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 76.0284, 0.2462, 0.3994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

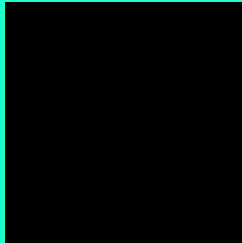
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.0284, 0.2462, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 76.0284, 0.2462, 0.3994.

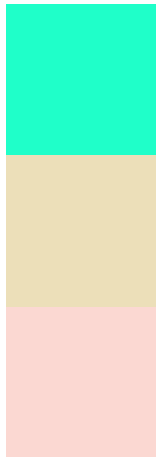


This preview shows how white text looks on a background with the Yxy color 76.0284, 0.2462, 0.3994.

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

76.0284, 0.2462, 0.3994

Protanopia

74.1110, 0.3480, 0.3699

Deuteranopia

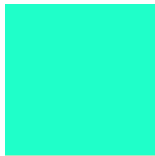
74.2741, 0.3429, 0.3352



Tritanopia

75.2029, 0.2494, 0.3116

Trichromacy



Original Color

76.0284, 0.2462, 0.3994



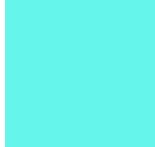
Protanomaly

70.7553, 0.2914, 0.3831



Deuteranomaly

69.7565, 0.2881, 0.3566



Tritanomaly

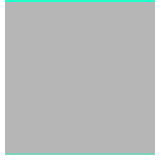
74.0697, 0.2441, 0.3410

Monochromacy



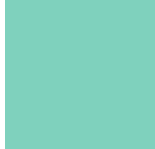
Original Color

76.0284, 0.2462, 0.3994



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.7871, 0.2700, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0284, 0.2462, 0.3994 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(31, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(31, 255, 201)  
}
```

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(31, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 76.0284, 0.2462, 0.3994 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(31, 255, 201) }
```

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

```
.border{ border-color:rgb(31, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(31, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0284, 0.2462, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 255, 201) }
```

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

```
.background{ background-color: rgb(31, 255,  
201) }
```

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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