

Converting Colors

$Y_{xy}(76.0848, 0.2427, 0.3919)$

Have a look what the booklet for
Yxy(76.0848, 0.2427, 0.3919)
contains.

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Color

Yxy(76.1032, 0.2425, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	0BFFCF
RGB	11, 255, 207
RGB Percent	4%, 100%, 81%
CMY	0.9561, 0.0000, 0.1883
CMYK	0.96, 0.00, 0.19, 0.00
HSL	168°, 100%, 52%
HSV	168°, 96%, 100%
XYZ	47.1634, 76.1032, 71.2215
YIQ	176.5720, -130.0160, -66.6560

Conversions

Conversions Part 2

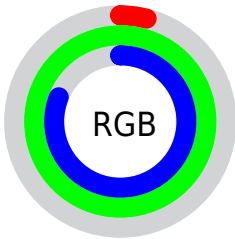
Format	Color
R _Y B	11, 146, 255
Decimal	786383
CIE Lab	89.91, -60.65, 8.99
CIE LCh	90, 61.314, 171.572
Yxy	76.1032, 0.2425, 0.3913
Android (android.graphics.Color)	4278976463 (0xFF0BFFCF)
YUV	176.5720, 15.0010, -145.2066
Hunter-Lab	87.2371, -56.1618, 12.6609

Details

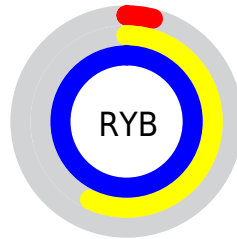
The Yxy color **76.1032, 0.2425, 0.3913** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.8216, 0.6011, 0.3111**, and the grayscale version is **43.7309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **42.2324, 0.2452, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **75.9170, 0.2429, 0.3944**, and if you desaturate by 10%, it is **76.6612, 0.2425, 0.3841**.

Distribution



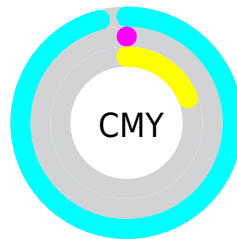
- Red (4%)
- Green (100%)
- Blue (81%)



- Red (4%)
- Yellow (57%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1032, 0.2425, 0.3913 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 76.1032, 0.2425, 0.3913 by changing the saturation by 10% instead.


 76.1032, 0.2425,
0.3913


 76.1032, 0.2425,
0.3913


481.7009, 0.2749,
0.3618


 56.5171, 0.2351,
0.3982


 127.8728, 0.2537,
0.3809


 40.6177, 0.2261,
0.4068


 160.8251, 0.2581,
0.3769

 28.0205, 0.2147,
0.4178


 199.0016, 0.2619,
0.3735

 18.3411, 0.1999,
0.4324

 242.7867, 0.2652,
0.3705

 11.1952, 0.1802,
0.4525

 292.5648, 0.2681,
0.3679

 6.1983, 0.1527,
0.4818


348.7202, 0.2706,

 2.9660, 0.1097,


0.3656


0.5299


411.6375, 0.2729,
0.3636

 1.1140, 0.0000,
0.6631


 0.0000, 0.0000,
0.0000

 76.1032, 0.2425,
0.3913


 76.1032, 0.2425,
0.3913


 75.9170, 0.2429,
0.3944


 76.6612, 0.2425,
0.3841


 77.5613, 0.2443,
0.3768


 78.8560, 0.2481,
0.3696


 80.5931, 0.2539,
0.3624

 82.8136, 0.2616,
0.3555

 85.5536, 0.2709,
0.3489

 88.8460, 0.2815,
0.3427

 92.7207, 0.2931,
0.3370

 97.2056, 0.3055,
0.3317

Harmonies

Analogous

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



76.1032, 0.3067, 0.4504



76.1032, 0.2425, 0.3913



76.1032, 0.2002, 0.3144

Triad

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



76.1032, 0.2425, 0.3913



76.1032, 0.2409, 0.2194



76.1032, 0.4571, 0.3781

Complementary

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



76.1032, 0.2425, 0.3913



21.8216, 0.6011, 0.3111

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.



76.1032, 0.4384, 0.3240



76.1032, 0.2425, 0.3913



76.1032, 0.3051, 0.2378

Square

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



76.1032, 0.2425, 0.3913



76.1032, 0.2003, 0.2237



76.1032, 0.3797, 0.2748



76.1032, 0.4321, 0.4288

Rectangle

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



76.1032, 0.2425, 0.3913



76.1032, 0.1878, 0.2715



76.1032, 0.3797, 0.2748



76.1032, 0.4560, 0.3600

Sweetspot

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



76.0965, 0.2425, 0.3913



87.6670, 0.2777, 0.3448



72.5037, 0.3076, 0.5918



18.4665, 0.2732, 0.3474



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.



76.0965, 0.2425, 0.3913



75.9170, 0.2429, 0.3944



40.6895, 0.1980, 0.2309



20.4165, 0.3006, 0.3337



39.6900, 0.2426, 0.3932



3.8794, 0.2403, 0.3850

Inverse Universe

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



21.8216, 0.6011, 0.3111



21.4922, 0.6123, 0.3147



27.6768, 0.5894, 0.3666



18.0455, 0.3263, 0.3243



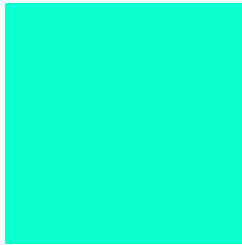
11.2466, 0.6088, 0.3127



1.1096, 0.5792, 0.2964

Previews

White Background



This preview shows how the Yxy color 76.1032, 0.2425, 0.3913 looks on a white background.

Color Contrast Check

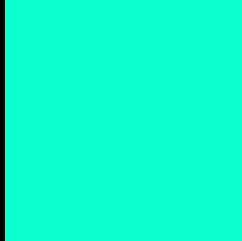
Large Text (above 18pt) WCAG AA × Fail

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 76.1032, 0.2425, 0.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

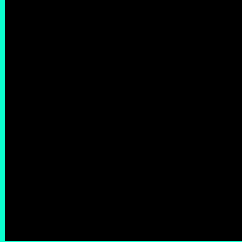
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1032, 0.2425, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 76.1032, 0.2425, 0.3913.

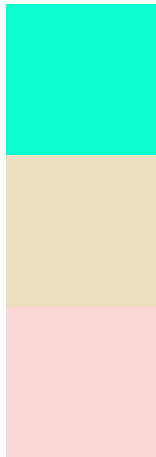


This preview shows how white text looks on a background with the Yxy color 76.1032, 0.2425, 0.3913.

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

76.0961, 0.2425, 0.3913

Protanopia

74.1991, 0.3431, 0.3634

Deuteranopia

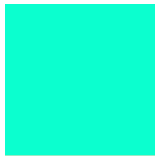
74.1578, 0.3378, 0.3301



Tritanopia

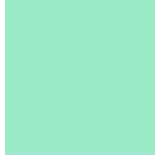
75.2029, 0.2494, 0.3116

Trichromacy



Original Color

76.0961, 0.2425, 0.3913



Protanomaly

70.3179, 0.2840, 0.3760



Deuteranomaly

69.1336, 0.2804, 0.3507



Tritanomaly

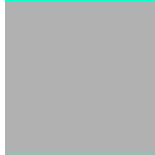
73.8575, 0.2407, 0.3374

Monochromacy



Original Color

76.0961, 0.2425, 0.3913



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

51.0754, 0.2642, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1032, 0.2425, 0.3913 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(11, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 207)  
}
```

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(11, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 76.1032, 0.2425, 0.3913 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(11, 255, 207) }
```

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

```
.border{ border-color:rgb(11, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1032, 0.2425, 0.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 207) }
```

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

```
.background{ background-color: rgb(11, 255,  
207) }
```

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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