

Converting Colors

$Y_{xy}(78.6000, 0.1868, 0.4254)$

Have a look what the booklet for
Yxy(78.6000, 0.1868, 0.4254)
contains.

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Color

Yxy(75.9762, 0.2424, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	00FFCE
RGB	0, 255, 206
RGB Percent	0%, 100%, 81%
CMY	1.0000, 0.0000, 0.1921
CMYK	1.00, 0.00, 0.19, 0.00
HSL	168°, 100%, 50%
HSV	168°, 100%, 100%
XYZ	46.8975, 75.9762, 70.5977
YIQ	173.1690, -136.2510, -69.2990

Conversions

Conversions Part 2

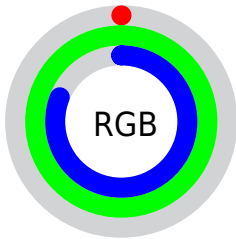
Format	Color
RYB	0, 141, 255
Decimal	65486
CIELab	89.85, -61.14, 9.39
CIELCh	90, 61.860, 171.266
Yxy	75.9762, 0.2424, 0.3927
Android (android.graphics.Color)	4278255566 (0xFF00FFCE)
YUV	173.1690, 16.1857, -151.8692
Hunter-Lab	87.1643, -56.4983, 12.9938

Details

The Yxy color **75.9762, 0.2424, 0.3927** 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 **21.4816, 0.6135, 0.3153**, and the grayscale version is **41.8488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **42.1995, 0.2457, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **75.9773, 0.2424, 0.3927**, and if you desaturate by 10%, it is **76.4322, 0.2418, 0.3857**.

Distribution



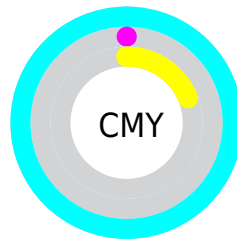
- Red (0%)
- Green (100%)
- Blue (81%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9762, 0.2424, 0.3927 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 75.9762, 0.2424, 0.3927 by changing the saturation by 10% instead.


 75.9762, 0.2424,
0.3927

 75.9762, 0.2424,
0.3927


481.2662, 0.2749,
0.3624


 56.4130, 0.2350,
0.3998


 127.6933, 0.2537,
0.3821


 40.5341, 0.2259,
0.4086


 160.6159, 0.2581,
0.3780

 27.9553, 0.2145,
0.4199


 198.7605, 0.2618,
0.3745

 18.2919, 0.1996,
0.4349

 242.5114, 0.2651,
0.3714

 11.1598, 0.1798,
0.4556

 292.2530, 0.2680,
0.3687

 6.1744, 0.1521,
0.4859


348.3698, 0.2706,

 2.9514, 0.1082,


0.3664


0.5359

411.2460, 0.2729,
0.3643


 1.1064, 0.0000,
0.6760


 0.0000, 0.0000,
0.0000


 75.9762, 0.2424,
0.3927


 75.9762, 0.2424,
0.3927

 75.9773, 0.2424,
0.3927


 76.4322, 0.2418,
0.3857


 77.1722, 0.2429,
0.3787

 78.2823, 0.2459,
0.3716


 79.8145, 0.2508,
0.3646

 81.8124, 0.2577,
0.3578

 84.3141, 0.2664,
0.3512

 87.3537, 0.2765,
0.3450

 90.9624, 0.2878,
0.3392

 95.1689, 0.2999,
0.3339

Harmonies

Analogous

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



75.9762, 0.3072, 0.4520



75.9762, 0.2424, 0.3927



75.9762, 0.1996, 0.3149

Triad

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



75.9762, 0.2424, 0.3927



75.9762, 0.2397, 0.2184



75.9762, 0.4585, 0.3778

Complementary

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



75.9762, 0.2424, 0.3927



21.4816, 0.6135, 0.3153

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.



75.9762, 0.4391, 0.3233



75.9762, 0.2424, 0.3927



75.9762, 0.3042, 0.2367

Square

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



75.9762, 0.2424, 0.3927



75.9762, 0.1992, 0.2230



75.9762, 0.3796, 0.2738



75.9762, 0.4335, 0.4291

Rectangle

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



75.9762, 0.2424, 0.3927



75.9762, 0.1869, 0.2715



75.9762, 0.3796, 0.2738



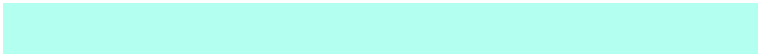
75.9762, 0.4572, 0.3595

Sweetspot

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



75.9773, 0.2424, 0.3927



87.3537, 0.2765, 0.3450



72.2238, 0.3060, 0.5953



18.4085, 0.2721, 0.3476



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.



75.9773, 0.2424, 0.3927



39.2601, 0.1961, 0.2260



20.4181, 0.3006, 0.3336



39.7211, 0.2421, 0.3915



3.8822, 0.2399, 0.3835

Inverse Universe

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



21.4816, 0.6135, 0.3153



26.4981, 0.5995, 0.3622



18.0441, 0.3264, 0.3245



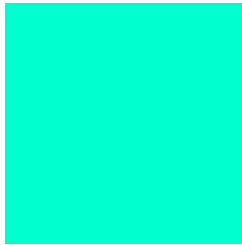
11.2407, 0.6100, 0.3134



1.1088, 0.5806, 0.2972

Previews

White Background



This preview shows how the Yxy color 75.9762, 0.2424, 0.3927 looks on a white background.

Color Contrast Check

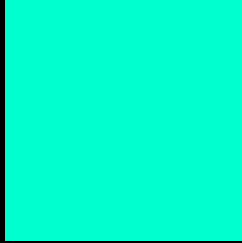
Large Text (above 18pt) WCAG AA × Fail

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 75.9762, 0.2424, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

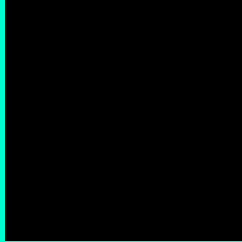
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

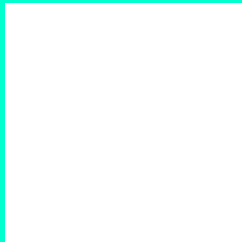
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.9762, 0.2424, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 75.9762, 0.2424, 0.3927.

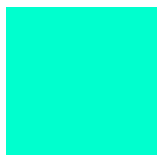


This preview shows how white text looks on a background with the Yxy color 75.9762, 0.2424, 0.3927.

Color Blindness Simulation

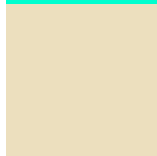
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



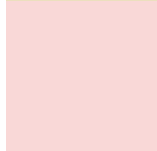
Original Color

75.9762, 0.2424, 0.3927



Protanopia

74.3259, 0.3446, 0.3644



Deuteranopia

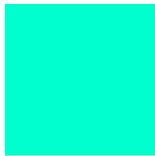
74.1578, 0.3378, 0.3301



Tritanopia

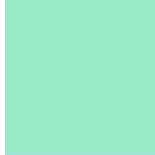
75.2029, 0.2494, 0.3116

Trichromacy



Original Color

75.9762, 0.2424, 0.3927



Protanomaly

69.8862, 0.2823, 0.3776



Deuteranomaly

68.6162, 0.2776, 0.3509



Tritanomaly

73.5929, 0.2400, 0.3386

Monochromacy



Original Color

75.9762, 0.2424, 0.3927



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.5297, 0.2618, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9762, 0.2424, 0.3927 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(0, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 206)  
}
```

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(0, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 75.9762, 0.2424, 0.3927 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(0, 255, 206) }
```

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

```
.border{ border-color:rgb(0, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
206) }
```

Background

The CSS property to change the background color of an element to Yxy 75.9762, 0.2424, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 206) }
```

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

```
.background{ background-color: rgb(0, 255,  
206) }
```

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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