

Converting Colors

$Y_{xy}(81.0170, 0.1820, 0.4114)$

Have a look what the booklet for
Yxy(81.0170, 0.1820, 0.4114)
contains.

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Color

Yxy(76.5820, 0.2378, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	00FFDA
RGB	0, 255, 218
RGB Percent	0%, 100%, 85%
CMY	1.0000, 0.0000, 0.1450
CMYK	1.00, 0.00, 0.14, 0.00
HSL	171°, 100%, 50%
HSV	171°, 100%, 100%
XYZ	48.4083, 76.5820, 78.5770
YIQ	174.5370, -140.1030, -65.5670

Conversions

Conversions Part 2

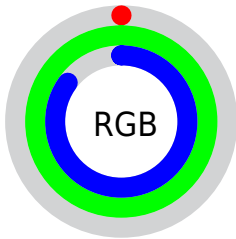
Format	Color
RYB	0, 137, 255
Decimal	65498
CIELab	90.13, -58.15, 3.59
CIELCh	90, 58.265, 176.471
Yxy	76.5820, 0.2378, 0.3762
Android (android.graphics.Color)	4278255578 (0xFF00FFDA)
YUV	174.5370, 21.4273, -153.0689
Hunter-Lab	87.5111, -54.4042, 8.0208

Details

The Yxy color **76.5820, 0.2378, 0.3762** 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 **21.3934, 0.6237, 0.3210**, and the grayscale version is **42.5610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **42.5768, 0.2403, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **76.5833, 0.2378, 0.3762**, and if you desaturate by 10%, it is **76.9922, 0.2377, 0.3711**.

Distribution



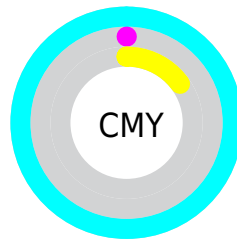
- Red (0%)
- Green (100%)
- Blue (85%)



- Red (0%)
- Yellow (54%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5820, 0.2378, 0.3762 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 76.5820, 0.2378, 0.3762 by changing the saturation by 10% instead.


 76.5820, 0.2378,
0.3762

 76.5820, 0.2378,
0.3762


 483.3377, 0.2720,
0.3544

 56.9099, 0.2302,
0.3812

 128.5493, 0.2495,
0.3686


 40.9329, 0.2208,
0.3873

 161.6132, 0.2541,
0.3657


 28.2666, 0.2091,
0.3950


 199.9098, 0.2581,
0.3631

 18.5268, 0.1942,
0.4051

 243.8236, 0.2616,
0.3609

 11.3288, 0.1744,
0.4186

 293.7389, 0.2646,
0.3590

 6.2885, 0.1473,
0.4377


 350.0400, 0.2674,


 3.0213, 0.1079,


0.3573


0.4667


413.1115, 0.2698,
0.3557


 1.1428, 0.0000,
0.5409


 0.0143, 0.0000,
1.0000

 76.5820, 0.2378,
0.3762


 76.5820, 0.2378,
0.3762


 76.5833, 0.2378,
0.3762


 76.9922, 0.2377,
0.3711

 77.6831, 0.2391,
0.3659


 78.7408, 0.2425,
0.3607


 80.2175, 0.2478,
0.3555

 82.1565, 0.2551,
0.3505

 84.5961, 0.2641,
0.3456

 87.5703, 0.2747,
0.3410

 91.1102, 0.2865,
0.3366

 95.2445, 0.2993,
0.3326

Harmonies

Analogous

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



76.5820, 0.2966, 0.4370



76.5820, 0.2378, 0.3762



76.5820, 0.2014, 0.3047

Triad

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



76.5820, 0.2378, 0.3762



76.5820, 0.2531, 0.2256



76.5820, 0.4488, 0.3850

Complementary

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



76.5820, 0.2378, 0.3762



21.3934, 0.6237, 0.3210

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.



76.5820, 0.4377, 0.3331



76.5820, 0.2378, 0.3762



76.5820, 0.3171, 0.2465

Square

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



76.5820, 0.2378, 0.3762



76.5820, 0.2100, 0.2262



76.5820, 0.3872, 0.2845



76.5820, 0.4196, 0.4313

Rectangle

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



76.5820, 0.2378, 0.3762



76.5820, 0.1923, 0.2665



76.5820, 0.3872, 0.2845



76.5820, 0.4499, 0.3678

Sweetspot

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



76.5833, 0.2378, 0.3762



87.5703, 0.2747, 0.3410



71.9368, 0.3036, 0.5972



18.4608, 0.2701, 0.3429



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.



76.5833, 0.2378, 0.3762



34.4016, 0.1910, 0.2077



20.4335, 0.2999, 0.3325



40.0338, 0.2376, 0.3753



3.9098, 0.2360, 0.3694

Inverse Universe

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



21.3934, 0.6237, 0.3210



28.4464, 0.5868, 0.3723



18.0300, 0.3271, 0.3256



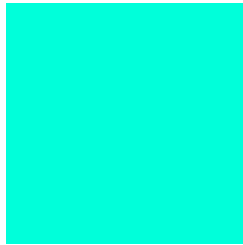
11.1914, 0.6208, 0.3194



1.1019, 0.5943, 0.3048

Previews

White Background



This preview shows how the Yxy color 76.5820, 0.2378, 0.3762 looks on a white background.

Color Contrast Check

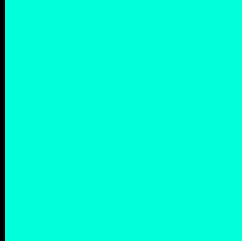
Large Text (above 18pt) WCAG AA × Fail

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 76.5820, 0.2378, 0.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

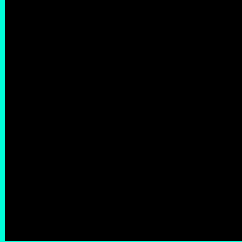
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

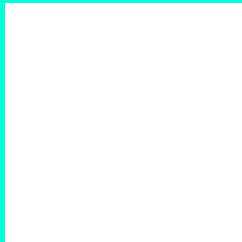
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5820, 0.2378, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 76.5820, 0.2378, 0.3762.

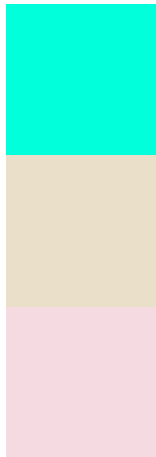


This preview shows how white text looks on a background with the Yxy color 76.5820, 0.2378, 0.3762.

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

76.5820, 0.2378, 0.3762

Protanopia

75.0208, 0.3353, 0.3536

Deuteranopia

75.0463, 0.3269, 0.3208



Tritanopia

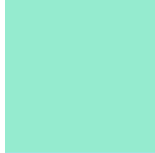
76.0599, 0.2509, 0.3128

Trichromacy



Original Color

76.5820, 0.2378, 0.3762



Protanomaly

70.3112, 0.2758, 0.3634



Deuteranomaly

69.5475, 0.2706, 0.3385



Tritanomaly

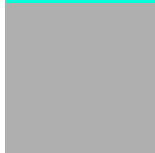
74.5977, 0.2388, 0.3336

Monochromacy



Original Color

76.5820, 0.2378, 0.3762



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

50.3268, 0.2592, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5820, 0.2378, 0.3762 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 76.5820, 0.2378, 0.3762 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, 218) }
```

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

```
.border{ border-color:rgb(0, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
218) }
```

Background

The CSS property to change the background color of an element to Yxy 76.5820, 0.2378, 0.3762 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, 218) }
```

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

```
.background{ background-color: rgb(0, 255,  
218) }
```

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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