

Converting Colors

$Y_{xy}(76.1092, 0.1706, 0.4081)$

Have a look what the booklet for
Yxy(76.1092, 0.1706, 0.4081)
contains.

Yxy(76.5298, 0.2382, 0.3776)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(76.5298, 0.2382, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	00FFD9
RGB	0, 255, 217
RGB Percent	0%, 100%, 85%
CMY	1.0000, 0.0000, 0.1490
CMYK	1.00, 0.00, 0.15, 0.00
HSL	171°, 100%, 50%
HSV	171°, 100%, 100%
XYZ	48.2770, 76.5298, 77.8675
YIQ	174.4230, -139.7820, -65.8780

Conversions

Conversions Part 2

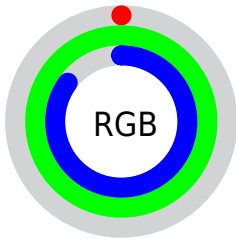
Format	Color
RYB	0, 138, 255
Decimal	65497
CIELab	90.10, -58.41, 4.09
CIELCh	90, 58.554, 175.998
Yxy	76.5298, 0.2382, 0.3776
Android (android.graphics.Color)	4278255577 (0xFF00FFD9)
YUV	174.4230, 20.9905, -152.9690
Hunter-Lab	87.4813, -54.5862, 8.4627

Details

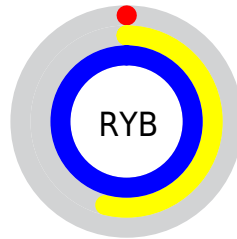
The Yxy color **76.5298, 0.2382, 0.3776** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.4000, 0.6230, 0.3205**, and the grayscale version is **42.4995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **42.5411, 0.2407, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **76.5294, 0.2382, 0.3776**, and if you desaturate by 10%, it is **76.9426, 0.2381, 0.3723**.

Distribution



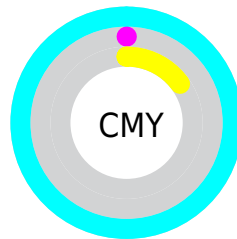
- Red (0%)
- Green (100%)
- Blue (85%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5298, 0.2382, 0.3776 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 76.5298, 0.2382, 0.3776 by changing the saturation by 10% instead.


 76.5298, 0.2382,
0.3776

 76.5298, 0.2382,
0.3776


483.1594, 0.2722,
0.3550


 56.8670, 0.2306,
0.3828


 128.4755, 0.2499,
0.3698


 40.8985, 0.2213,
0.3891


 161.5273, 0.2545,
0.3667


 28.2398, 0.2096,
0.3971


 199.8109, 0.2584,
0.3641

 18.5065, 0.1947,
0.4076

 243.7106, 0.2619,
0.3618

 11.3142, 0.1749,
0.4217

 293.6109, 0.2649,
0.3598

 6.2786, 0.1478,
0.4417

349.8962, 0.2676,

 3.0152, 0.1080,

0.3580

0.4724

412.9509, 0.2701,
0.3565

■ 1.1397, 0.0000,
0.5500

■ 0.0116, 0.0000,
1.0000

■ 76.5298, 0.2382,
0.3776

■ 76.5298, 0.2382,
0.3776


■ 76.5294, 0.2382,
0.3776


■ 76.9426, 0.2381,
0.3723


■ 77.6380, 0.2395,
0.3670

■ 78.7005, 0.2428,
0.3616


■ 80.1821, 0.2481,
0.3563

 82.1265, 0.2553,
0.3511

 84.5716, 0.2643,
0.3461

 87.5515, 0.2749,
0.3413

 91.0974, 0.2866,
0.3369

 95.2380, 0.2993,
0.3328

Harmonies

Analogous

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



76.5298, 0.2975, 0.4383



76.5298, 0.2382, 0.3776



76.5298, 0.2012, 0.3055

Triad

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



76.5298, 0.2382, 0.3776



76.5298, 0.2519, 0.2250



76.5298, 0.4496, 0.3844

Complementary

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



76.5298, 0.2382, 0.3776



21.4000, 0.6230, 0.3205

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.



76.5298, 0.4379, 0.3323



76.5298, 0.2382, 0.3776



76.5298, 0.3160, 0.2457

Square

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



76.5298, 0.2382, 0.3776



76.5298, 0.2091, 0.2260



76.5298, 0.3865, 0.2836



76.5298, 0.4208, 0.4311

Rectangle

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



76.5298, 0.2382, 0.3776



76.5298, 0.1919, 0.2669



76.5298, 0.3865, 0.2836



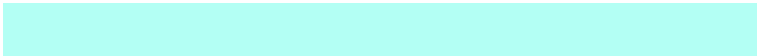
76.5298, 0.4506, 0.3671

Sweetspot

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



76.5294, 0.2382, 0.3776



87.5515, 0.2749, 0.3413



71.9368, 0.3036, 0.5972



18.4563, 0.2703, 0.3433



0.0000, 0.0000, 0.0000



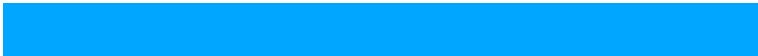
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5294, 0.2382, 0.3776



34.4016, 0.1910, 0.2077



20.4322, 0.3000, 0.3326



40.0060, 0.2380, 0.3767



3.9073, 0.2363, 0.3706

Inverse Universe

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



21.4000, 0.6230, 0.3205



28.4464, 0.5868, 0.3723



18.0312, 0.3271, 0.3255



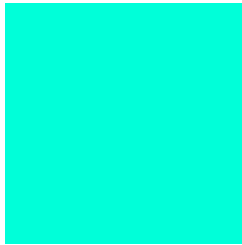
11.1951, 0.6200, 0.3189



1.1024, 0.5932, 0.3041

Previews

White Background



This preview shows how the Yxy color 76.5298, 0.2382, 0.3776 looks on a white background.

Color Contrast Check

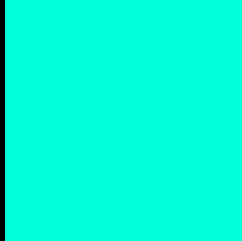
Large Text (above 18pt) WCAG AA × Fail

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 76.5298, 0.2382, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

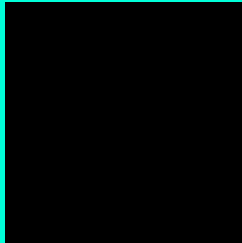
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5298, 0.2382, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 76.5298, 0.2382, 0.3776.

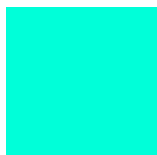


This preview shows how white text looks on a background with the Yxy color 76.5298, 0.2382, 0.3776.

Color Blindness Simulation

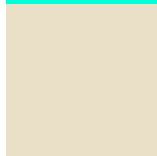
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



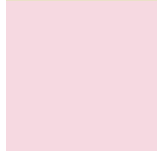
Original Color

76.5298, 0.2382, 0.3776



Protanopia

74.9739, 0.3360, 0.3547



Deuteranopia

74.6548, 0.3284, 0.3208



Tritanopia

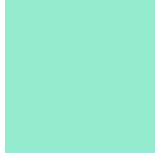
76.0599, 0.2509, 0.3128

Trichromacy



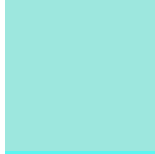
Original Color

76.5298, 0.2382, 0.3776



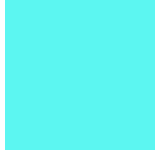
Protanomaly

70.2625, 0.2764, 0.3647



Deuteranomaly

69.5939, 0.2717, 0.3397



Tritanomaly

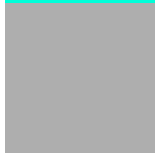
74.5377, 0.2392, 0.3349

Monochromacy



Original Color

76.5298, 0.2382, 0.3776



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.8091, 0.2595, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5298, 0.2382, 0.3776 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 76.5298, 0.2382, 0.3776 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, 217) }
```

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

```
.border{ border-color:rgb(0, 255, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
217) }
```

Background

The CSS property to change the background color of an element to Yxy 76.5298, 0.2382, 0.3776 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, 217) }
```

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

```
.background{ background-color: rgb(0, 255,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](#)