

Converting Colors

$Y_{xy}(70.7454, 0.1643, 0.3880)$

Have a look what the booklet for
Yxy(70.7454, 0.1643, 0.3880)
contains.

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Color

Yxy(76.8477, 0.2360, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	01FFDF
RGB	1, 255, 223
RGB Percent	0%, 100%, 87%
CMY	0.9976, 0.0000, 0.1255
CMYK	1.00, 0.00, 0.13, 0.00
HSL	172°, 100%, 50%
HSV	172°, 100%, 100%
XYZ	49.0827, 76.8477, 82.0471
YIQ	175.4060, -141.1120, -63.8000

Conversions

Conversions Part 2

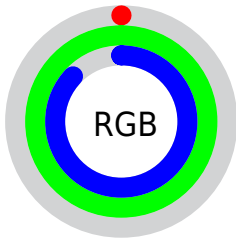
Format	Color
R_{YB}	1, 137, 255
Decimal	131039
CIE _{Lab}	90.25, -56.84, 1.20
CIE _{LCh}	90, 56.849, 178.795
Yxy	76.8477, 0.2360, 0.3695
Android (android.graphics.Color)	4278321119 (0xFF01FFDF)
YUV	175.4060, 23.4638, -152.9541
Hunter-Lab	87.6628, -53.4672, 5.8721

Details

The Yxy color **76.8477, 0.2360, 0.3695** 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 **21.3808, 0.6267, 0.3227**, and the grayscale version is **42.9563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **42.7597, 0.2378, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **76.8426, 0.2360, 0.3696**, and if you desaturate by 10%, it is **77.2425, 0.2361, 0.3651**.

Distribution



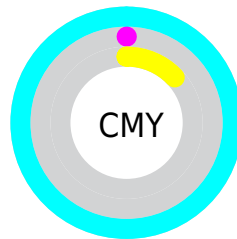
- Red (0%)
- Green (100%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8477, 0.2360, 0.3695 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 76.8477, 0.2360, 0.3695 by changing the saturation by 10% instead.


 76.8477, 0.2360,
0.3695

 76.8477, 0.2360,
0.3695


484.2446, 0.2708,
0.3510


 57.1279, 0.2283,
0.3736


 128.9245, 0.2479,
0.3632


 41.1079, 0.2188,
0.3787


 162.0502, 0.2526,
0.3607


 28.4034, 0.2070,
0.3850


 200.4134, 0.2566,
0.3585

 18.6300, 0.1920,
0.3932

 244.3984, 0.2602,
0.3566

 11.4032, 0.1723,
0.4039

 294.3896, 0.2633,
0.3550

 6.3387, 0.1454,
0.4188


350.7715, 0.2661,


 3.0521, 0.1072,

0.3535

0.4403


413.9283, 0.2686,
0.3522


 1.1590, 0.0000,
0.4988


 0.0278, 0.0000,
1.0000


 76.8477, 0.2360,
0.3695

 76.8477, 0.2360,
0.3695

 76.8426, 0.2360,
0.3696

 77.2425, 0.2361,
0.3651

 77.9192, 0.2377,
0.3607

 78.9631, 0.2413,
0.3562

 80.4259, 0.2468,
0.3518

■ 82.3510, 0.2543,
0.3474

■ 84.7764, 0.2635,
0.3433

■ 87.7361, 0.2743,
0.3393

■ 91.2612, 0.2863,
0.3355

■ 95.3801, 0.2993,
0.3321

Harmonies

Analogous

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



76.8477, 0.2923, 0.4306



76.8477, 0.2360, 0.3695



76.8477, 0.2023, 0.3006

Triad

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



76.8477, 0.2360, 0.3695



76.8477, 0.2588, 0.2287



76.8477, 0.4446, 0.3880

Complementary

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



76.8477, 0.2360, 0.3695



21.3808, 0.6267, 0.3227

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.



76.8477, 0.4369, 0.3372



76.8477, 0.2360, 0.3695



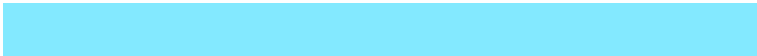
76.8477, 0.3225, 0.2507

Square

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



76.8477, 0.2360, 0.3695



76.8477, 0.2147, 0.2277



76.8477, 0.3902, 0.2890



76.8477, 0.4138, 0.4319

Rectangle

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



76.8477, 0.2360, 0.3695



76.8477, 0.1947, 0.2646



76.8477, 0.3902, 0.2890



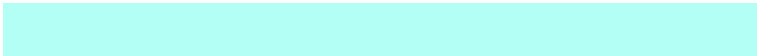
76.8477, 0.4467, 0.3713

Sweetspot

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



76.8506, 0.2360, 0.3695



87.6596, 0.2740, 0.3394



71.8702, 0.3030, 0.5975



18.4825, 0.2693, 0.3410



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.



76.8506, 0.2360, 0.3695



76.8429, 0.2360, 0.3696



32.9667, 0.1895, 0.2020



20.4398, 0.2997, 0.3320



40.1675, 0.2358, 0.3689



3.9215, 0.2344, 0.3638

Inverse Universe

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



21.3808, 0.6267, 0.3227



21.3648, 0.6271, 0.3228



29.2460, 0.5817, 0.3761



18.0243, 0.3274, 0.3260



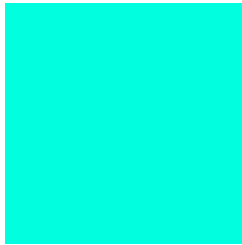
11.1750, 0.6245, 0.3214



1.0992, 0.5999, 0.3078

Previews

White Background



This preview shows how the Yxy color 76.8477, 0.2360, 0.3695 looks on a white background.

Color Contrast Check

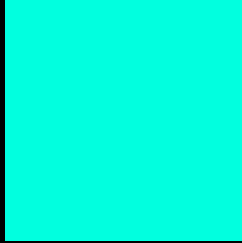
Large Text (above 18pt) WCAG AA × Fail

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 76.8477, 0.2360, 0.3695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

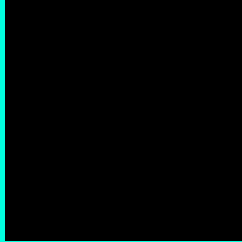
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

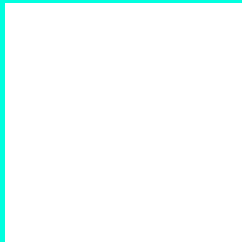
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8477, 0.2360, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 76.8477, 0.2360, 0.3695.

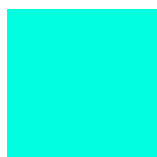


This preview shows how white text looks on a background with the Yxy color 76.8477, 0.2360, 0.3695.

Color Blindness Simulation

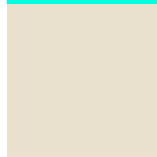
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



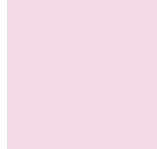
Original Color

76.8542, 0.2360, 0.3695



Protanopia

75.0912, 0.3311, 0.3483



Deuteranopia

75.1454, 0.3227, 0.3157



Tritanopia

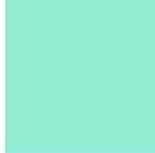
76.2416, 0.2518, 0.3129

Trichromacy



Original Color

76.8542, 0.2360, 0.3695



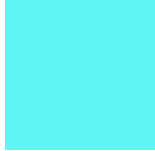
Protanomaly

70.4660, 0.2727, 0.3571



Deuteranomaly

69.7218, 0.2675, 0.3325



Tritanomaly

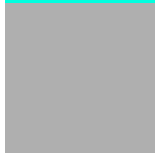
74.7098, 0.2387, 0.3324

Monochromacy



Original Color

76.8542, 0.2360, 0.3695



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

50.4362, 0.2591, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8477, 0.2360, 0.3695 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(1, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 223)  
}
```

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(1, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 76.8477, 0.2360, 0.3695 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(1, 255, 223) }
```

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

```
.border{ border-color:rgb(1, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8477, 0.2360, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 223) }
```

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

```
.background{ background-color: rgb(1, 255,  
223) }
```

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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