

Converting Colors

$Yxy(76.6004, 0.2328, 0.3579)$

Have a look what the booklet for
Yxy(76.6004, 0.2328, 0.3579)
contains.

Yxy(76.6596, 0.2327, 0.3577)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.6596, 0.2327, 0.3577)

Conversions

Conversions Part 1

Format	Color
Hex	00FEE7
RGB	0, 254, 231
RGB Percent	0%, 100%, 91%
CMY	0.9999, 0.0039, 0.0940
CMYK	1.00, 0.00, 0.09, 0.00
HSL	175°, 100%, 50%
HSV	175°, 100%, 100%
XYZ	49.8705, 76.6596, 87.7824
YIQ	175.4320, -144.0010, -61.0010

Conversions

Conversions Part 2

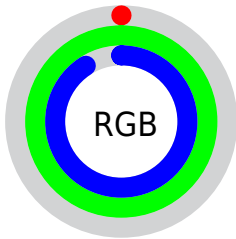
Format	Color
RYB	0, 133, 254
Decimal	65255
CIELab	90.16, -54.33, -3.10
CIELCh	90, 54.416, 183.266
Yxy	76.6596, 0.2327, 0.3577
Android (android.graphics.Color)	4278255335 (0xFF00FEE7)
YUV	175.4320, 27.3950, -153.8539
Hunter-Lab	87.5555, -51.5506, 1.8451

Details

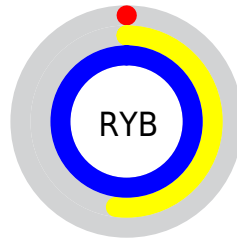
The Yxy color **76.6596, 0.2327, 0.3577** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.1359, 0.6323, 0.3257**, and the grayscale version is **43.0267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **42.6144, 0.2336, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **76.6621, 0.2327, 0.3577**, and if you desaturate by 10%, it is **77.0054, 0.2331, 0.3546**.

Distribution



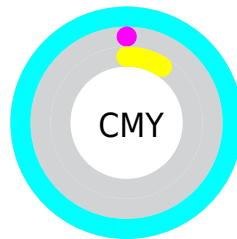
- Red (0%)
- Green (100%)
- Blue (91%)



- Red (0%)
- Yellow (52%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6596, 0.2327, 0.3577 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 76.6596, 0.2327, 0.3577 by changing the saturation by 10% instead.


 76.6596, 0.2327,
0.3577


 76.6596, 0.2327,
0.3577


483.6026, 0.2687,
0.3451

 56.9735, 0.2247,
0.3604


 128.6589, 0.2450,
0.3535


 40.9840, 0.2151,
0.3637


 161.7408, 0.2498,
0.3518

 28.3066, 0.2031,
0.3676


 200.0569, 0.2540,
0.3503

 18.5569, 0.1878,
0.3725

 243.9915, 0.2577,
0.3490

 11.3505, 0.1680,
0.3788

293.9290, 0.2610,
0.3479

 6.3031, 0.1412,
0.3867


350.2537, 0.2638,

 3.0303, 0.1041,

0.3468

0.3965

413.3501, 0.2664,
0.3459

 1.1476, 0.0000,
0.4294


 0.0182, 0.0000,
0.0716


 76.6596, 0.2327,
0.3577


 76.6596, 0.2327,
0.3577


 76.6621, 0.2327,
0.3577


 77.0054, 0.2331,
0.3546


 77.6252, 0.2350,
0.3515


 78.6061, 0.2387,
0.3484


 79.9996, 0.2445,
0.3453

 81.8487, 0.2521,
0.3422

 84.1911, 0.2616,
0.3392

 87.0605, 0.2727,
0.3364

 90.4879, 0.2851,
0.3337

 94.5015, 0.2985,
0.3313

Harmonies

Analogous

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



76.6596, 0.2844, 0.4190



76.6596, 0.2327, 0.3577



76.6596, 0.2037, 0.2935

Triad

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



76.6596, 0.2327, 0.3577



76.6596, 0.2692, 0.2343



76.6596, 0.4371, 0.3933

Complementary

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



76.6596, 0.2327, 0.3577



21.1359, 0.6323, 0.3257

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.



76.6596, 0.4353, 0.3447



76.6596, 0.2327, 0.3577



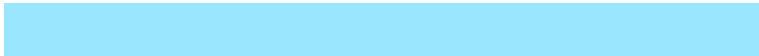
76.6596, 0.3322, 0.2582

Square

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



76.6596, 0.2327, 0.3577



76.6596, 0.2233, 0.2302



76.6596, 0.3955, 0.2972



76.6596, 0.4032, 0.4329

Rectangle

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



76.6596, 0.2327, 0.3577



76.6596, 0.1989, 0.2612



76.6596, 0.3955, 0.2972



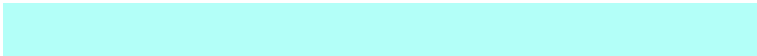
76.6596, 0.4409, 0.3775

Sweetspot

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



76.6625, 0.2327, 0.3577



87.8262, 0.2727, 0.3364



71.1040, 0.3018, 0.5985



18.5229, 0.2678, 0.3376



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.



76.6625, 0.2327, 0.3577



77.3413, 0.2327, 0.3577



29.7501, 0.1860, 0.1896



20.4514, 0.2992, 0.3311



40.4242, 0.2326, 0.3572



3.9439, 0.2316, 0.3537

Inverse Universe

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



21.1359, 0.6323, 0.3257



21.3222, 0.6323, 0.3257



30.5024, 0.5729, 0.3833



18.0138, 0.3280, 0.3269



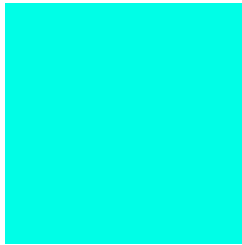
11.1503, 0.6302, 0.3245



1.0943, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 76.6596, 0.2327, 0.3577 looks on a white background.

Color Contrast Check

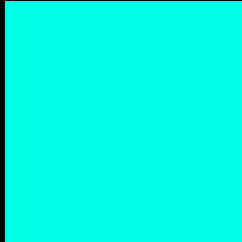
Large Text (above 18pt) WCAG AA × Fail

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 76.6596, 0.2327, 0.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

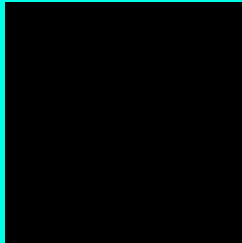
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

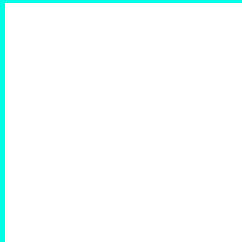
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6596, 0.2327, 0.3577

Background



This preview shows how black text looks on a background with the Yxy color 76.6596, 0.2327, 0.3577.



This preview shows how white text looks on a background with the Yxy color 76.6596, 0.2327, 0.3577.

Color Blindness Simulation

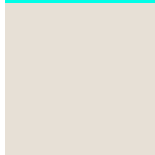
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



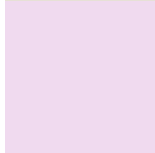
Original Color

76.6531, 0.2327, 0.3577



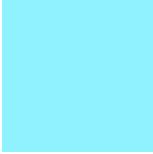
Protanopia

75.1553, 0.3243, 0.3397



Deuteranopia

74.9001, 0.3144, 0.3075



Tritanopia

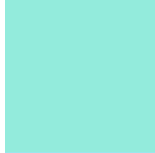
76.0599, 0.2509, 0.3128

Trichromacy



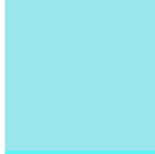
Original Color

76.6531, 0.2327, 0.3577



Protanomaly

70.7870, 0.2680, 0.3471



Deuteranomaly

69.9803, 0.2624, 0.3229



Tritanomaly

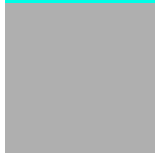
74.8407, 0.2372, 0.3288

Monochromacy



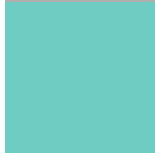
Original Color

76.6531, 0.2327, 0.3577



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

50.5054, 0.2570, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6596, 0.2327, 0.3577 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, 254, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 231)  
}
```

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, 254, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 231) }
```

Border

The CSS property to change the border of an element to Yxy 76.6596, 0.2327, 0.3577 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, 254, 231) }
```

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

```
.border{ border-color:rgb(0, 254, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 254, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6596, 0.2327, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 231) }
```

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

```
.background{ background-color: rgb(0, 254,  
231) }
```

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](#)