

Converting Colors

$Yxy(76.9324, 0.2366, 0.3696)$

Have a look what the booklet for
Yxy(76.9324, 0.2366, 0.3696)
contains.

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Color

Yxy(76.9493, 0.2366, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	10FFDF
RGB	16, 255, 223
RGB Percent	6%, 100%, 87%
CMY	0.9383, 0.0000, 0.1254
CMYK	0.94, 0.00, 0.13, 0.00
HSL	172°, 100%, 53%
HSV	172°, 94%, 100%
XYZ	49.2859, 76.9493, 82.0737
YIQ	179.8910, -132.1720, -60.6200

Conversions

Conversions Part 2

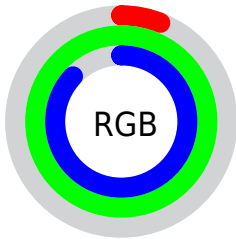
Format	Color
RYB	16, 144, 255
Decimal	1114079
CIELab	90.30, -56.49, 1.26
CIELCh	90, 56.500, 178.726
Yxy	76.9493, 0.2366, 0.3694
Android (android.graphics.Color)	4279304159 (0xFF10FFDF)
YUV	179.8910, 21.2527, -143.7324
Hunter-Lab	87.7208, -53.2211, 5.9313

Details

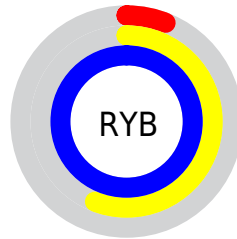
The Yxy color **76.9493, 0.2366, 0.3694** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **21.8328, 0.6119, 0.3185**, and the grayscale version is **45.4715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **42.7597, 0.2378, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **76.7316, 0.2368, 0.3723**, and if you desaturate by 10%, it is **77.5064, 0.2375, 0.3647**.

Distribution



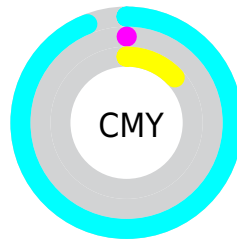
- Red (6%)
- Green (100%)
- Blue (87%)



- Red (6%)
- Yellow (56%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9493, 0.2366, 0.3694 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 76.9493, 0.2366, 0.3694 by changing the saturation by 10% instead.

 76.9493, 0.2366,
0.3694

 76.9493, 0.2366,
0.3694


484.5911, 0.2711,
0.3510

 57.2113, 0.2289,
0.3735


 129.0679, 0.2484,
0.3631


 41.1749, 0.2195,
0.3786


 162.2173, 0.2531,
0.3606

 28.4558, 0.2079,
0.3849


 200.6059, 0.2571,
0.3584

 18.6695, 0.1930,
0.3930

 244.6181, 0.2606,
0.3566

 11.4317, 0.1733,
0.4038

294.6383, 0.2637,
0.3549

 6.3580, 0.1466,
0.4187


351.0510, 0.2665,


 3.0640, 0.1088,


0.3534


0.4402


414.2405, 0.2689,
0.3521

 1.1652, 0.0000,
0.4998


 0.0330, 0.0000,
1.0000

 76.9493, 0.2366,
0.3694


 76.9493, 0.2366,
0.3694


 76.7316, 0.2368,
0.3723


 77.5064, 0.2375,
0.3647

 78.4036, 0.2402,
0.3599


 79.7004, 0.2448,
0.3552


 81.4429, 0.2515,
0.3505

 83.6713, 0.2599,
0.3460

 86.4209, 0.2700,
0.3416

 89.7240, 0.2815,
0.3375

 93.6100, 0.2941,
0.3337

 98.1064, 0.3075,
0.3302

Harmonies

Analogous

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



76.9493, 0.2926, 0.4300



76.9493, 0.2366, 0.3694



76.9493, 0.2030, 0.3010

Triad

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



76.9493, 0.2366, 0.3694



76.9493, 0.2590, 0.2293



76.9493, 0.4438, 0.3876

Complementary

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



76.9493, 0.2366, 0.3694



21.8328, 0.6119, 0.3185

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.



76.9493, 0.4360, 0.3371



76.9493, 0.2366, 0.3694



76.9493, 0.3223, 0.2510

Square

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



76.9493, 0.2366, 0.3694



76.9493, 0.2152, 0.2283



76.9493, 0.3895, 0.2891



76.9493, 0.4133, 0.4313

Rectangle

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



76.9493, 0.2366, 0.3694



76.9493, 0.1954, 0.2652



76.9493, 0.3895, 0.2891



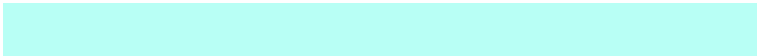
76.9493, 0.4458, 0.3710

Sweetspot

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



76.9522, 0.2366, 0.3694



88.2814, 0.2766, 0.3392



72.2729, 0.3053, 0.5925



18.5978, 0.2717, 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.



76.9522, 0.2366, 0.3694



76.7358, 0.2368, 0.3723



36.5496, 0.1941, 0.2158



20.4372, 0.2998, 0.3322



40.1124, 0.2365, 0.3715



3.9167, 0.2350, 0.3661

Inverse Universe

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



21.8328, 0.6119, 0.3185



21.3760, 0.6258, 0.3221



30.3100, 0.5725, 0.3786



18.0266, 0.3273, 0.3258



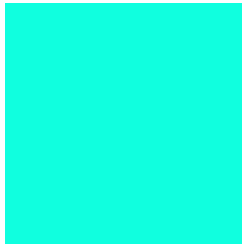
11.1815, 0.6231, 0.3206



1.1003, 0.5976, 0.3066

Previews

White Background



This preview shows how the Yxy color 76.9493, 0.2366, 0.3694 looks on a white background.

Color Contrast Check

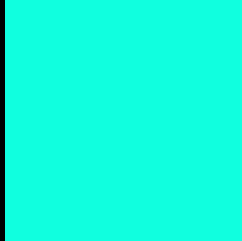
Large Text (above 18pt) WCAG AA × Fail

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 76.9493, 0.2366, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

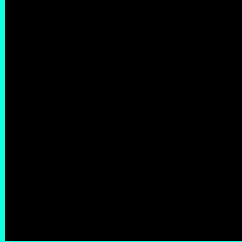
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

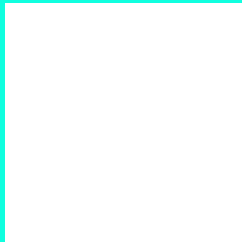
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9493, 0.2366, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 76.9493, 0.2366, 0.3694.

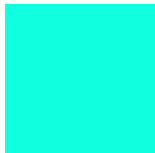


This preview shows how white text looks on a background with the Yxy color 76.9493, 0.2366, 0.3694.

Color Blindness Simulation

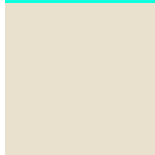
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



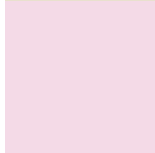
Original Color

76.9579, 0.2366, 0.3694



Protanopia

75.0912, 0.3311, 0.3483



Deuteranopia

75.1454, 0.3227, 0.3157



Tritanopia

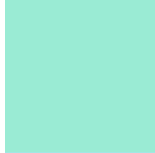
76.2416, 0.2518, 0.3129

Trichromacy



Original Color

76.9579, 0.2366, 0.3694



Protanomaly

71.0402, 0.2759, 0.3569



Deuteranomaly

70.3303, 0.2707, 0.3324



Tritanomaly

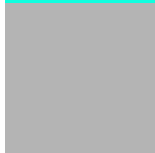
75.0352, 0.2405, 0.3324

Monochromacy



Original Color

76.9579, 0.2366, 0.3694



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.6042, 0.2618, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9493, 0.2366, 0.3694 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(16, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(16, 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(16, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 76.9493, 0.2366, 0.3694 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(16, 255, 223) }
```

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

```
.border{ border-color:rgb(16, 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(16, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(16, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9493, 0.2366, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 255, 223) }
```

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

```
.background{ background-color: rgb(16, 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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