

Converting Colors

$Yxy(78.7024, 0.2443, 0.3643)$

Have a look what the booklet for
Yxy(78.7024, 0.2443, 0.3643)
contains.

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Color

Yxy(78.6733, 0.2443, 0.3647)

Conversions

Conversions Part 1

Format	Color
Hex	4FFFE2
RGB	79, 255, 226
RGB Percent	31%, 100%, 89%
CMY	0.6908, 0.0000, 0.1138
CMYK	0.69, 0.00, 0.11, 0.00
HSL	170°, 100%, 65%
HSV	170°, 69%, 100%
XYZ	52.7005, 78.6733, 84.3468
YIQ	199.0700, -95.5870, -46.3310

Conversions

Conversions Part 2

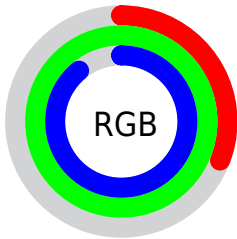
Format	Color
RYB	79, 175, 255
Decimal	5242850
CIELab	91.09, -50.81, 0.95
CIElCh	91, 50.821, 178.929
Yxy	78.6733, 0.2443, 0.3647
Android (android.graphics.Color)	4283432930 (0xFF4FFFE2)
YUV	199.0700, 13.2765, -105.3014
Hunter-Lab	88.6980, -49.1644, 5.7071

Details

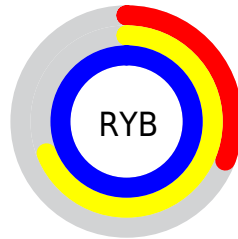
The Yxy color **78.6733, 0.2443, 0.3647** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **27.9110, 0.5095, 0.3043**, and the grayscale version is **57.0898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **42.8728, 0.2364, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **77.5489, 0.2409, 0.3707**, and if you desaturate by 10%, it is **80.2079, 0.2497, 0.3588**.

Distribution



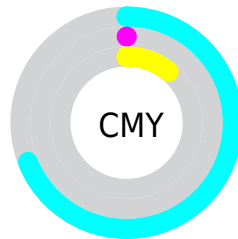
- Red (31%)
- Green (100%)
- Blue (89%)



- Red (31%)
- Yellow (69%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6733, 0.2443, 0.3647 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 78.6733, 0.2443, 0.3647 by changing the saturation by 10% instead.


 78.6733, 0.2443,
0.3647

 78.6733, 0.2443,
0.3647

490.4504, 0.2753,
0.3485


 58.6272, 0.2374,
0.3683


 131.4988, 0.2549,
0.3591


 42.3131, 0.2290,
0.3728


 165.0471, 0.2591,
0.3570

 29.3466, 0.2185,
0.3783


 203.8649, 0.2627,
0.3551

 19.3431, 0.2052,
0.3854

 248.3366, 0.2658,
0.3534

 11.9185, 0.1875,
0.3949

298.8466, 0.2686,
0.3520

 6.6882, 0.1633,
0.4079

355.7793, 0.2711,

 3.2679, 0.1288,

0.3507

419.5191, 0.2733,
0.3495

0.4269

1.2731, 0.0000,
0.4941

0.1203, 0.0000,
0.6507

78.6733, 0.2443,
0.3647

78.6733, 0.2443,
0.3647

77.5489, 0.2409,
0.3707

80.2079, 0.2497,
0.3588

76.8050, 0.2395,
0.3766

82.2170, 0.2570,
0.3530


76.3588, 0.2397,
0.3825

84.7313, 0.2660,
0.3474

76.3238, 0.2397,
0.3830

87.7844, 0.2765,
0.3422

 91.4072, 0.2882,
0.3373

 95.6284, 0.3008,
0.3328

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.6733, 0.2950, 0.4178



78.6733, 0.2443, 0.3647



78.6733, 0.2135, 0.3044

Triad

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



78.6733, 0.2443, 0.3647



78.6733, 0.2650, 0.2386



78.6733, 0.4302, 0.3835

Complementary

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



78.6733, 0.2443, 0.3647



27.9110, 0.5095, 0.3043

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.



78.6733, 0.4229, 0.3376



78.6733, 0.2443, 0.3647



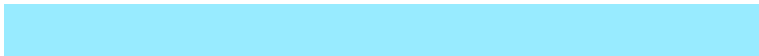
78.6733, 0.3221, 0.2586

Square

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



78.6733, 0.2443, 0.3647



78.6733, 0.2248, 0.2380



78.6733, 0.3817, 0.2936



78.6733, 0.4034, 0.4218

Rectangle

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



78.6733, 0.2443, 0.3647



78.6733, 0.2064, 0.2720



78.6733, 0.3817, 0.2936



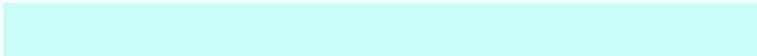
78.6733, 0.4318, 0.3685

Sweetspot

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



78.6662, 0.2443, 0.3647



90.6648, 0.2858, 0.3382



75.2839, 0.3137, 0.5445



19.1861, 0.2826, 0.3395



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.



78.6662, 0.2443, 0.3647



77.2157, 0.2401, 0.3730



48.4846, 0.2146, 0.2534



20.4270, 0.3002, 0.3329



39.8999, 0.2395, 0.3821



3.8980, 0.2376, 0.3753

Inverse Universe

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



27.9110, 0.5095, 0.3043



23.5664, 0.5681, 0.3078



39.8762, 0.4974, 0.3838



18.0359, 0.3268, 0.3251



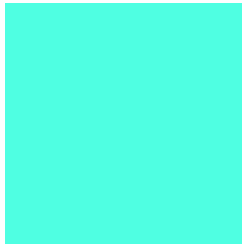
11.2104, 0.6166, 0.3170



1.1046, 0.5887, 0.3017

Previews

White Background



This preview shows how the Yxy color 78.6733, 0.2443, 0.3647 looks on a white background.

Color Contrast Check

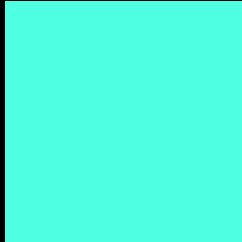
Large Text (above 18pt) WCAG AA × Fail

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 78.6733, 0.2443, 0.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

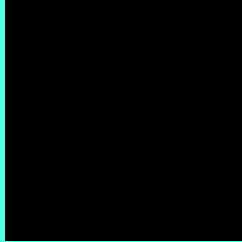
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6733, 0.2443, 0.3647

Background



This preview shows how black text looks on a background with the Yxy color 78.6733, 0.2443, 0.3647.

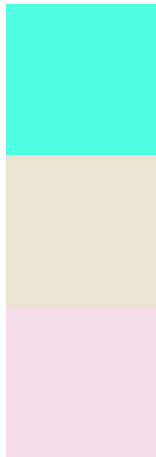


This preview shows how white text looks on a background with the Yxy color 78.6733, 0.2443, 0.3647.

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

78.6733, 0.2443, 0.3647

Protanopia

77.4242, 0.3302, 0.3470

Deuteranopia

76.8437, 0.3233, 0.3159



Tritanopia

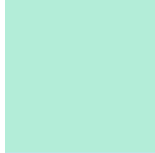
77.7077, 0.2587, 0.3132

Trichromacy



Original Color

78.6733, 0.2443, 0.3647



Protanomaly

75.1099, 0.2882, 0.3533



Deuteranomaly

74.4301, 0.2843, 0.3323



Tritanomaly

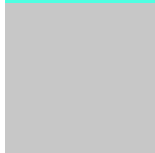
77.2685, 0.2513, 0.3312

Monochromacy



Original Color

78.6733, 0.2443, 0.3647



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.2350, 0.2763, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6733, 0.2443, 0.3647 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(79, 255, 226)` looks like.

```
.text, #text, p{  
  color:rgb(79, 255, 226)  
}
```

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(79, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 78.6733, 0.2443, 0.3647 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(79, 255, 226) }
```

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

```
.border{ border-color:rgb(79, 255, 226) }
```

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

Here you see how a box with a 4 pixel rgb(79, 255, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6733, 0.2443, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 226) }
```

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

```
.background{ background-color: rgb(79, 255,  
226) }
```

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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