

Converting Colors

$Yxy(78.8046, 0.2421, 0.3592)$

Have a look what the booklet for
Yxy(78.8046, 0.2421, 0.3592)
contains.

Yxy(78.8110, 0.2423, 0.3596)	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(78.8110, 0.2423, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	4DFFE6
RGB	77, 255, 230
RGB Percent	30%, 100%, 90%
CMY	0.6978, 0.0000, 0.0982
CMYK	0.70, 0.00, 0.10, 0.00
HSL	172°, 100%, 65%
HSV	172°, 70%, 100%
XYZ	53.1032, 78.8110, 87.2488
YIQ	198.9280, -98.0630, -45.5110

Conversions

Conversions Part 2

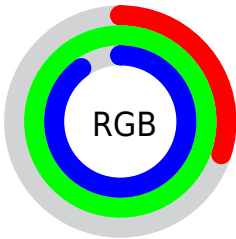
Format	Color
RYB	77, 173, 255
Decimal	5111782
CIELab	91.15, -50.04, -1.03
CIElCh	91, 50.048, 181.174
Yxy	78.8110, 0.2423, 0.3596
Android (android.graphics.Color)	4283301862 (0xFF4DFFE6)
YUV	198.9280, 15.3185, -106.9309
Hunter-Lab	88.7756, -48.5833, 3.8726

Details

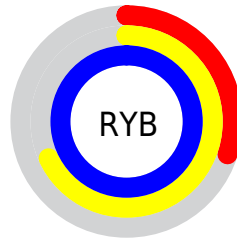
The Yxy color **78.8110, 0.2423, 0.3596** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.5395, 0.5184, 0.3083**, and the grayscale version is **57.0276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **43.0277, 0.2345, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **77.7505, 0.2389, 0.3646**, and if you desaturate by 10%, it is **80.2932, 0.2477, 0.3546**.

Distribution



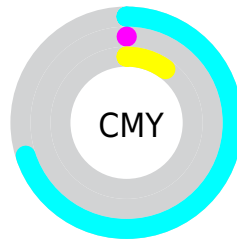
- Red (30%)
- Green (100%)
- Blue (90%)



- Red (30%)
- Yellow (68%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8110, 0.2423, 0.3596 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 78.8110, 0.2423, 0.3596 by changing the saturation by 10% instead.


 78.8110, 0.2423,
0.3596

 78.8110, 0.2423,
0.3596


490.9167, 0.2740,
0.3459


 58.7404, 0.2353,
0.3626

 131.6928, 0.2531,
0.3549

 42.4042, 0.2267,
0.3663


 165.2727, 0.2574,
0.3531

 29.4179, 0.2161,
0.3708


 204.1246, 0.2611,
0.3515

 19.3972, 0.2025,
0.3765

 248.6328, 0.2643,
0.3501

 11.9576, 0.1847,
0.3840

299.1817, 0.2672,
0.3489

 6.7148, 0.1604,
0.3941


356.1558, 0.2697,


 3.2844, 0.1260,


0.3478


0.4080


419.9393, 0.2720,
0.3468


 1.2820, 0.0000,
0.4625


 0.1272, 0.0000,
0.3770


 78.8110, 0.2423,
0.3596


 78.8110, 0.2423,
0.3596


 77.7505, 0.2389,
0.3646


 80.2932, 0.2477,
0.3546


 77.0569, 0.2373,
0.3696


 82.2375, 0.2551,
0.3497


 76.6488, 0.2374,
0.3746

 84.6829, 0.2642,
0.3450

 76.6408, 0.2374,
0.3747

 87.6633, 0.2748,
0.3405

 91.2099, 0.2867,
0.3363

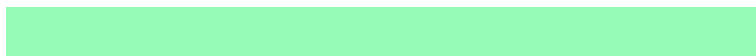
 95.3512, 0.2995,
0.3325

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.



78.8110, 0.2912, 0.4132



78.8110, 0.2423, 0.3596



78.8110, 0.2136, 0.3008

Triad

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



78.8110, 0.2423, 0.3596



78.8110, 0.2695, 0.2407



78.8110, 0.4275, 0.3860

Complementary

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



78.8110, 0.2423, 0.3596



27.5395, 0.5184, 0.3083

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.



78.8110, 0.4229, 0.3411



78.8110, 0.2423, 0.3596



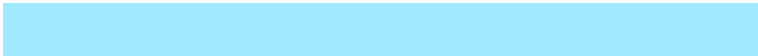
78.8110, 0.3265, 0.2617

Square

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



78.8110, 0.2423, 0.3596



78.8110, 0.2283, 0.2386



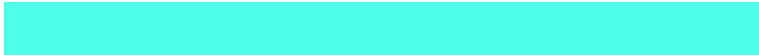
78.8110, 0.3846, 0.2972



78.8110, 0.3990, 0.4226

Rectangle

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



78.8110, 0.2423, 0.3596



78.8110, 0.2078, 0.2700



78.8110, 0.3846, 0.2972



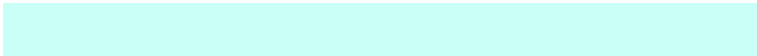
78.8110, 0.4300, 0.3714

Sweetspot

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



78.8120, 0.2423, 0.3596



90.7441, 0.2852, 0.3368



74.9857, 0.3122, 0.5473



19.2052, 0.2818, 0.3380



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.



78.8120, 0.2423, 0.3596



77.4160, 0.2380, 0.3668



46.8195, 0.2129, 0.2484



20.4349, 0.2999, 0.3324



40.0634, 0.2372, 0.3739



3.9124, 0.2356, 0.3682

Inverse Universe

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



27.5395, 0.5184, 0.3083



23.2862, 0.5784, 0.3121



40.3629, 0.4972, 0.3869



18.0287, 0.3272, 0.3257



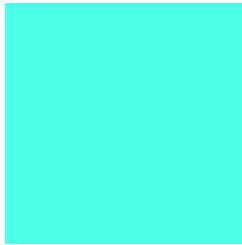
11.1875, 0.6217, 0.3198



1.1013, 0.5955, 0.3054

Previews

White Background



This preview shows how the Yxy color 78.8110, 0.2423, 0.3596 looks on a white background.

Color Contrast Check

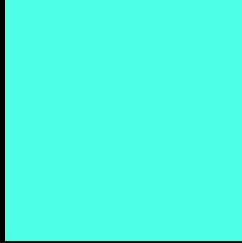
Large Text (above 18pt) WCAG AA × Fail

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 78.8110, 0.2423, 0.3596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

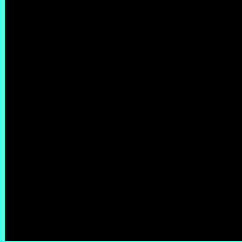
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8110, 0.2423, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 78.8110, 0.2423, 0.3596.

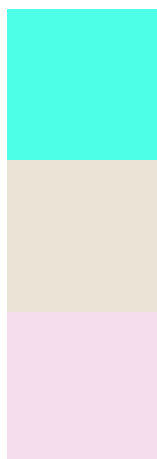


This preview shows how white text looks on a background with the Yxy color 78.8110, 0.2423, 0.3596.

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

78.8110, 0.2423, 0.3596

Protanopia

77.4554, 0.3269, 0.3427

Deuteranopia

77.2398, 0.3191, 0.3128



Tritanopia

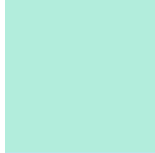
78.3013, 0.2589, 0.3143

Trichromacy



Original Color

78.8110, 0.2423, 0.3596



Protanomaly

75.2007, 0.2854, 0.3486



Deuteranomaly

74.4087, 0.2809, 0.3278



Tritanomaly

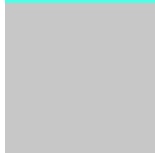
77.9212, 0.2503, 0.3300

Monochromacy



Original Color

78.8110, 0.2423, 0.3596



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.2847, 0.2757, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8110, 0.2423, 0.3596 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(77, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 230)  
}
```

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(77, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 78.8110, 0.2423, 0.3596 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(77, 255, 230) }
```

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

```
.border{ border-color:rgb(77, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8110, 0.2423, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 230) }
```

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

```
.background{ background-color: rgb(77, 255,  
230) }
```

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