

Converting Colors

$Y_{xy}(77.8940, 0.2426, 0.3699)$

Have a look what the booklet for
Yxy(77.8940, 0.2426, 0.3699)
contains.

Yxy(77.8839, 0.2427, 0.3702)	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(77.8839, 0.2427, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	40FFDE
RGB	64, 255, 222
RGB Percent	25%, 100%, 87%
CMY	0.7488, 0.0000, 0.1295
CMYK	0.75, 0.00, 0.13, 0.00
HSL	170°, 100%, 63%
HSV	170°, 75%, 100%
XYZ	51.0600, 77.8839, 81.4394
YIQ	194.1290, -103.2430, -50.7550

Conversions

Conversions Part 2

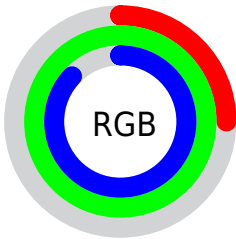
Format	Color
RYB	64, 169, 255
Decimal	4259806
CIELab	90.73, -53.57, 2.47
CIELCh	91, 53.627, 177.365
Yxy	77.8839, 0.2427, 0.3702
Android (android.graphics.Color)	4282449886 (0xFF40FFDE)
YUV	194.1290, 13.7404, -114.1231
Hunter-Lab	88.2519, -51.1657, 7.0631

Details

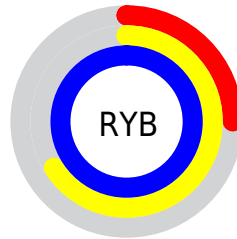
The Yxy color **77.8839, 0.2427, 0.3702** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.7979, 0.5325, 0.3037**, and the grayscale version is **54.0018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **42.7225, 0.2383, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **76.9827, 0.2405, 0.3765**, and if you desaturate by 10%, it is **79.1844, 0.2469, 0.3639**.

Distribution



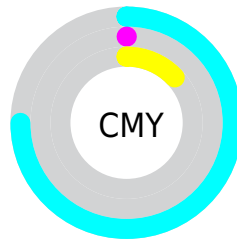
- Red (25%)
- Green (100%)
- Blue (87%)



- Red (25%)
- Yellow (66%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8839, 0.2427, 0.3702 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 77.8839, 0.2427, 0.3702 by changing the saturation by 10% instead.


 77.8839, 0.2427,
0.3702


 77.8839, 0.2427,
0.3702


487.7724, 0.2745,
0.3513

 57.9786, 0.2356,
0.3745


 130.3864, 0.2536,
0.3637


 41.7915, 0.2269,
0.3797


 163.7525, 0.2579,
0.3611

 28.9380, 0.2161,
0.3863


 202.3742, 0.2616,
0.3589

 19.0339, 0.2022,
0.3949

 246.6361, 0.2648,
0.3570

 11.6948, 0.1839,
0.4063

296.9225, 0.2677,
0.3553

 6.5362, 0.1588,
0.4223

353.6177, 0.2702,

 3.1738, 0.1228,

0.3538

0.4461

417.1062, 0.2725,
0.3525

■ 1.2231, 0.0000,
0.5200

■ 0.0805, 0.0000,
1.0000

■ 77.8839, 0.2427,
0.3702

■ 77.8839, 0.2427,
0.3702

■ 76.9827, 0.2405,
0.3765

■ 79.1844, 0.2469,
0.3639


■ 76.4188, 0.2402,
0.3827

■ 80.9274, 0.2530,
0.3577

■ 76.2188, 0.2405,
0.3859


■ 83.1547, 0.2610,
0.3517

■ 85.9023, 0.2706,
0.3460

 89.2026, 0.2815,
0.3406

 93.0855, 0.2935,
0.3356

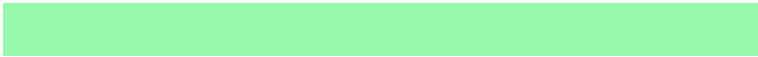
 97.5786, 0.3063,
0.3311

 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.



77.8839, 0.2968, 0.4257



77.8839, 0.2427, 0.3702



77.8839, 0.2093, 0.3056

Triad

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



77.8839, 0.2427, 0.3702



77.8839, 0.2595, 0.2335



77.8839, 0.4374, 0.3833

Complementary

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



77.8839, 0.2427, 0.3702



25.7979, 0.5325, 0.3037

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.



77.8839, 0.4280, 0.3351



77.8839, 0.2427, 0.3702



77.8839, 0.3190, 0.2534

Square

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



77.8839, 0.2427, 0.3702



77.8839, 0.2186, 0.2337



77.8839, 0.3827, 0.2894



77.8839, 0.4103, 0.4249

Rectangle

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



77.8839, 0.2427, 0.3702



77.8839, 0.2011, 0.2708



77.8839, 0.3827, 0.2894



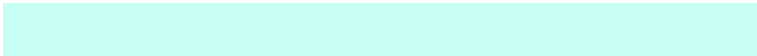
77.8839, 0.4386, 0.3674

Sweetspot

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



77.8853, 0.2427, 0.3702



90.2594, 0.2849, 0.3392



74.5472, 0.3136, 0.5587



19.1059, 0.2817, 0.3406



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.



77.8853, 0.2427, 0.3702



76.6559, 0.2401, 0.3797



47.1344, 0.2102, 0.2503



20.4244, 0.3003, 0.3331



39.8457, 0.2402, 0.3849



3.8932, 0.2383, 0.3777

Inverse Universe

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



25.7979, 0.5325, 0.3037



22.3606, 0.5909, 0.3105



36.1778, 0.5212, 0.3814



18.0383, 0.3267, 0.3249



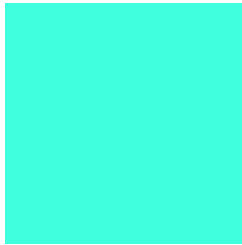
11.2190, 0.6147, 0.3160



1.1058, 0.5864, 0.3004

Previews

White Background



This preview shows how the Yxy color 77.8839, 0.2427, 0.3702 looks on a white background.

Color Contrast Check

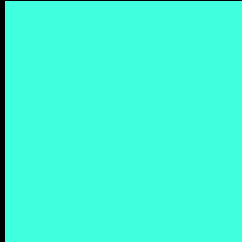
Large Text (above 18pt) WCAG AA × Fail

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 77.8839, 0.2427, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

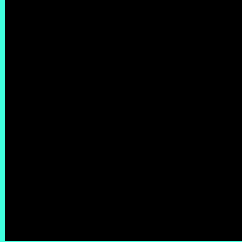
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8839, 0.2427, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 77.8839, 0.2427, 0.3702.

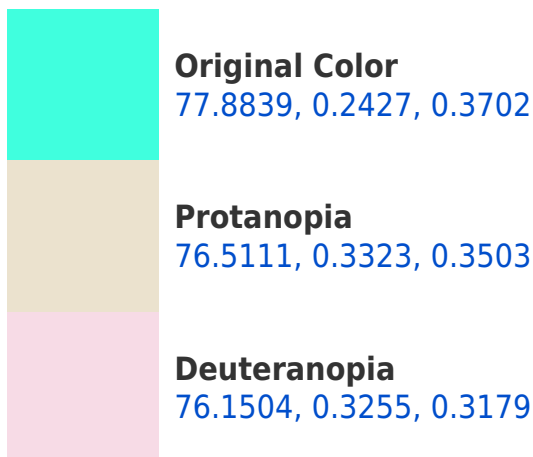


This preview shows how white text looks on a background with the Yxy color 77.8839, 0.2427, 0.3702.

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





Tritanopia

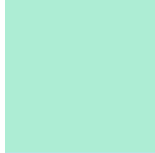
77.0992, 0.2559, 0.3130

Trichromacy



Original Color

77.8839, 0.2427, 0.3702



Protanomaly

74.2061, 0.2868, 0.3583



Deuteranomaly

72.9626, 0.2823, 0.3347



Tritanomaly

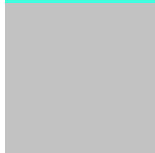
76.5202, 0.2483, 0.3324

Monochromacy



Original Color

77.8839, 0.2427, 0.3702



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.6744, 0.2740, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8839, 0.2427, 0.3702 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(64, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(64, 255, 222)  
}
```

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(64, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 77.8839, 0.2427, 0.3702 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(64, 255, 222) }
```

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

```
.border{ border-color:rgb(64, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
222) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.8839, 0.2427, 0.3702$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 255, 222) }
```

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

```
.background{ background-color: rgb(64, 255,  
222) }
```

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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