

Converting Colors

$Y_{xy}(77.3762, 0.2475, 0.3849)$

Have a look what the booklet for
Yxy(77.3762, 0.2475, 0.3849)
contains.

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Color

Yxy(77.3814, 0.2475, 0.3848)

Conversions

Conversions Part 1

Format	Color
Hex	42FFD3
RGB	66, 255, 211
RGB Percent	26%, 100%, 83%
CMY	0.7407, 0.0000, 0.1725
CMYK	0.74, 0.00, 0.17, 0.00
HSL	166°, 100%, 63%
HSV	166°, 74%, 100%
XYZ	49.7710, 77.3814, 73.9427
YIQ	193.4730, -98.5200, -53.7520

Conversions

Conversions Part 2

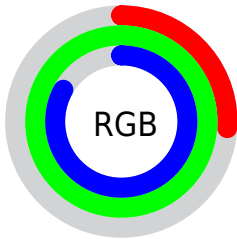
Format	Color
RYB	66, 173, 255
Decimal	4390867
CIELab	90.50, -56.03, 7.82
CIElCh	90, 56.571, 172.055
Yxy	77.3814, 0.2475, 0.3848
Android (android.graphics.Color)	4282580947 (0xFF42FFD3)
YUV	193.4730, 8.6408, -111.7938
Hunter-Lab	87.9667, -52.9475, 11.7390

Details

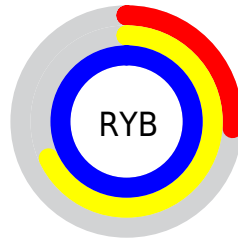
The Yxy color **77.3814, 0.2475, 0.3848** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.2998, 0.5127, 0.2930**, and the grayscale version is **53.6362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.3930, 0.2457, 0.3936**, and if you desaturate by 10%, it is **78.7814, 0.2514, 0.3761**.

Distribution



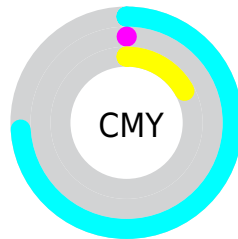
- Red (26%)
- Green (100%)
- Blue (83%)



- Red (26%)
- Yellow (68%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3814, 0.2475, 0.3848 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 77.3814, 0.2475, 0.3848 by changing the saturation by 10% instead.


 77.3814, 0.2475,
0.3848

 77.3814, 0.2475,
0.3848


486.0634, 0.2775,
0.3585


 57.5660, 0.2407,
0.3909

 129.6777, 0.2579,
0.3756


 41.4598, 0.2324,
0.3985


 162.9274, 0.2619,
0.3720

 28.6785, 0.2219,
0.4082


 201.4239, 0.2654,
0.3690

 18.8378, 0.2083,
0.4209

 245.5517, 0.2684,
0.3663

 11.5531, 0.1902,
0.4384

295.6952, 0.2711,
0.3640

 6.4402, 0.1649,
0.4639


352.2387, 0.2735,


 3.1145, 0.1276,


0.3620


0.5039


415.5666, 0.2756,
0.3602


 1.1918, 0.0000,
0.6239

 0.0550, 0.0000,
1.0000


 77.3814, 0.2475,
0.3848


 77.3814, 0.2475,
0.3848

 76.3930, 0.2457,
0.3936

 78.7814, 0.2514,
0.3761


 75.7502, 0.2458,
0.4022

 80.6306, 0.2572,
0.3676

 75.4856, 0.2465,
0.4073

 82.9722, 0.2648,
0.3593

 85.8418, 0.2739,
0.3515

 89.2718, 0.2843,
0.3442

 93.2918, 0.2957,
0.3375

 97.9294, 0.3077,
0.3313

 99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



77.3814, 0.3069, 0.4387



77.3814, 0.2475, 0.3848



77.3814, 0.2082, 0.3152

Triad

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



77.3814, 0.2475, 0.3848



77.3814, 0.2473, 0.2272



77.3814, 0.4456, 0.3765

Complementary

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



77.3814, 0.2475, 0.3848



26.2998, 0.5127, 0.2930

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.



77.3814, 0.4286, 0.3260



77.3814, 0.2475, 0.3848



77.3814, 0.3071, 0.2446

Square

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



77.3814, 0.2475, 0.3848



77.3814, 0.2088, 0.2313



77.3814, 0.3754, 0.2796



77.3814, 0.4227, 0.4228

Rectangle

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



77.3814, 0.2475, 0.3848



77.3814, 0.1966, 0.2759



77.3814, 0.3754, 0.2796



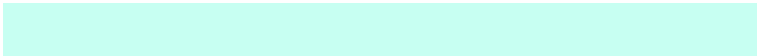
77.3814, 0.4446, 0.3597

Sweetspot

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



77.3844, 0.2475, 0.3848



90.0552, 0.2866, 0.3428



75.2410, 0.3180, 0.5538



19.0571, 0.2836, 0.3447



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.



77.3844, 0.2475, 0.3848



76.0383, 0.2455, 0.3979



51.8699, 0.2142, 0.2642



20.4048, 0.3011, 0.3346



39.4680, 0.2461, 0.4059



3.8596, 0.2433, 0.3960

Inverse Universe

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



26.2998, 0.5127, 0.2930



22.6857, 0.5699, 0.2997



34.2597, 0.5274, 0.3723



18.0564, 0.3257, 0.3235



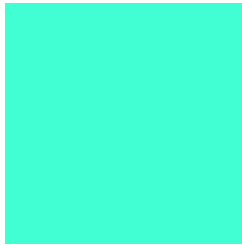
11.2948, 0.5988, 0.3072



1.1157, 0.5677, 0.2901

Previews

White Background



This preview shows how the Yxy color 77.3814, 0.2475, 0.3848 looks on a white background.

Color Contrast Check

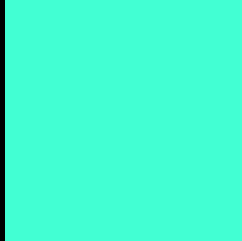
Large Text (above 18pt) WCAG AA × Fail

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 77.3814, 0.2475, 0.3848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

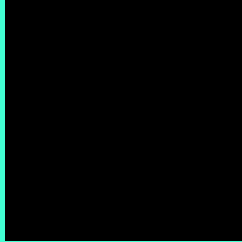
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

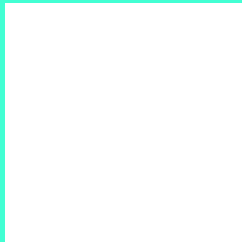
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3814, 0.2475, 0.3848

Background



This preview shows how black text looks on a background with the Yxy color 77.3814, 0.2475, 0.3848.

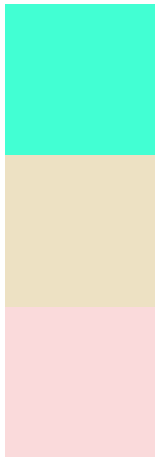


This preview shows how white text looks on a background with the Yxy color 77.3814, 0.2475, 0.3848.

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

77.3814, 0.2475, 0.3848

Protanopia

75.7951, 0.3415, 0.3610

Deuteranopia

75.5813, 0.3354, 0.3280



Tritanopia

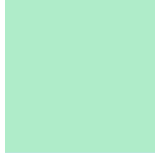
76.8060, 0.2545, 0.3130

Trichromacy



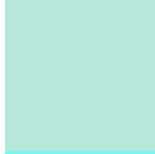
Original Color

77.3814, 0.2475, 0.3848



Protanomaly

73.3219, 0.2942, 0.3705



Deuteranomaly

72.1770, 0.2903, 0.3464



Tritanomaly

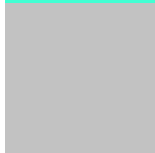
76.2085, 0.2496, 0.3372

Monochromacy



Original Color

77.3814, 0.2475, 0.3848



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.5778, 0.2769, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3814, 0.2475, 0.3848 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(66, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 211)  
}
```

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(66, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 211) }
```

Border

The CSS property to change the border of an element to Yxy 77.3814, 0.2475, 0.3848 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(66, 255, 211) }
```

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

```
.border{ border-color:rgb(66, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3814, 0.2475, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 211) }
```

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

```
.background{ background-color: rgb(66, 255,  
211) }
```

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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