

Converting Colors

$Yxy(77.0750, 0.2441, 0.3177)$

Have a look what the booklet for
Yxy(77.0750, 0.2441, 0.3177)
contains.

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Color

Yxy(76.8848, 0.2441, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	7DF5FF
RGB	125, 245, 255
RGB Percent	49%, 96%, 100%
CMY	0.5096, 0.0392, 0.0000
CMYK	0.51, 0.04, 0.00, 0.00
HSL	185°, 100%, 75%
HSV	185°, 51%, 100%
XYZ	59.1664, 76.8848, 106.3347
YIQ	210.2600, -74.7300, -22.3300

Conversions

Conversions Part 2

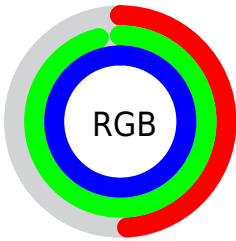
Format	Color
R_{YB}	125, 187, 255
Decimal	8254975
CIE _{Lab}	90.27, -31.13, -15.21
CIE _{LCh}	90, 34.647, 206.032
Y _{xy}	76.8848, 0.2441, 0.3172
Android (android.graphics.Color)	4286445055 (0xFF7DF5FF)
YUV	210.2600, 22.0568, -74.7730
Hunter-Lab	87.6840, -33.0008, -10.5224

Details

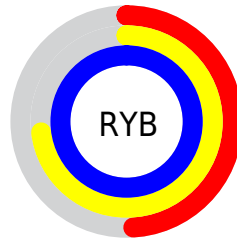
The Yxy color **76.8848, 0.2441, 0.3172** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.0876, 0.4542, 0.3396**, and the grayscale version is **64.5280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **40.9735, 0.2294, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **74.0256, 0.2351, 0.3146**, and if you desaturate by 10%, it is **80.2541, 0.2549, 0.3198**.

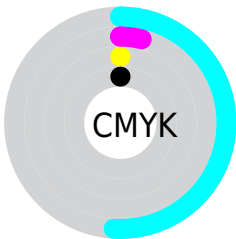
Distribution



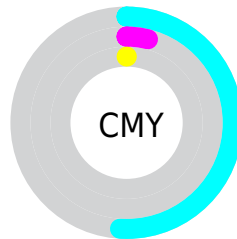
- Red (49%)
- Green (96%)
- Blue (100%)



- Red (49%)
- Yellow (73%)
- Blue (100%)



- Cyan (51%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8848, 0.2441, 0.3172 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 76.8848, 0.2441, 0.3172 by changing the saturation by 10% instead.

 76.8848, 0.2441,
0.3172


 76.8848, 0.2441,
0.3172


484.3712, 0.2747,
0.3235

 57.1583, 0.2374,
0.3156

 128.9769, 0.2545,
0.3195

 41.1324, 0.2293,
0.3136


 162.1112, 0.2586,
0.3204

 28.4225, 0.2192,
0.3108


 200.4837, 0.2622,
0.3211

 18.6444, 0.2065,
0.3071

244.4786, 0.2653,
0.3217

 11.4136, 0.1899,
0.3017

294.4805, 0.2681,
0.3222

 6.3458, 0.1676,
0.2933

350.8736, 0.2705,

 3.0564, 0.1364,

0.3227

0.2793

414.0423, 0.2727,
0.3231

■ 1.1613, 0.0713,
0.2583

■ 0.0297, 0.0000,
0.0263

■ 76.8848, 0.2441,
0.3172

■ 76.8848, 0.2441,
0.3172

■ 74.0256, 0.2351,
0.3146

■ 80.2541, 0.2549,
0.3198

■ 71.6306, 0.2280,
0.3119

■ 84.1607, 0.2674,
0.3223

■ 69.6580, 0.2228,
0.3092

■ 88.6383, 0.2811,
0.3246

■ 68.0549, 0.2195,
0.3066

■ 93.7158, 0.2958,
0.3268

■ 66.8483, 0.2179,
0.3043

99.4202, 0.3112,
0.3288

100.0000, 0.3127,
0.3290

Harmonies

Analogous

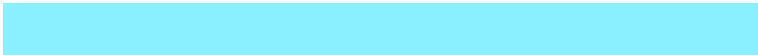
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8848, 0.2685, 0.3574



76.8848, 0.2441, 0.3172



76.8848, 0.2372, 0.2840

Triad

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



76.8848, 0.2441, 0.3172



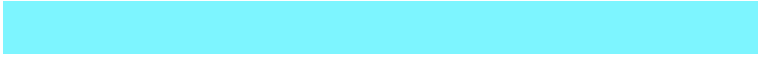
76.8848, 0.3158, 0.2768



76.8848, 0.3791, 0.3926

Complementary

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



76.8848, 0.2441, 0.3172



40.0876, 0.4542, 0.3396

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.



76.8848, 0.3944, 0.3665



76.8848, 0.2441, 0.3172



76.8848, 0.3567, 0.3017

Square

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



76.8848, 0.2441, 0.3172



76.8848, 0.2765, 0.2637



76.8848, 0.3863, 0.3336



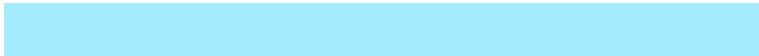
76.8848, 0.3461, 0.4030

Rectangle

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



76.8848, 0.2441, 0.3172



76.8848, 0.2428, 0.2700



76.8848, 0.3863, 0.3336



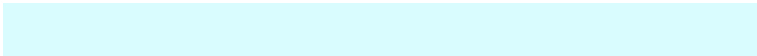
76.8848, 0.3865, 0.3852

Sweetspot

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



76.8873, 0.2441, 0.3172



91.5890, 0.2897, 0.3259



77.5979, 0.3013, 0.4820



19.3750, 0.2866, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

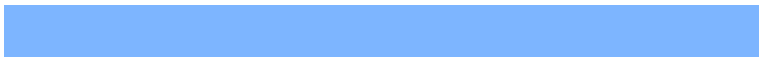
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8873, 0.2441, 0.3172



74.0144, 0.2350, 0.3146



44.7816, 0.2283, 0.2371



20.2279, 0.2980, 0.3271



35.0303, 0.2180, 0.3047



3.4791, 0.2188, 0.3077

Inverse Universe

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



42.5346, 0.3273, 0.2140



36.7418, 0.3306, 0.1962



63.4476, 0.4160, 0.4042



18.2748, 0.3150, 0.3074



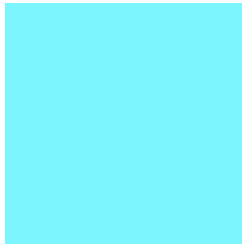
14.2643, 0.3413, 0.1654



1.3958, 0.3387, 0.1640

Previews

White Background



This preview shows how the Yxy color 76.8848, 0.2441, 0.3172 looks on a white background.

Color Contrast Check

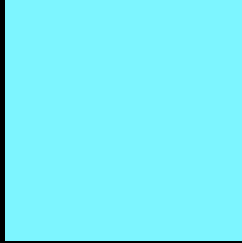
Large Text (above 18pt) WCAG AA × Fail

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 76.8848, 0.2441, 0.3172 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 76.8848, 0.2441, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 76.8848, 0.2441, 0.3172.

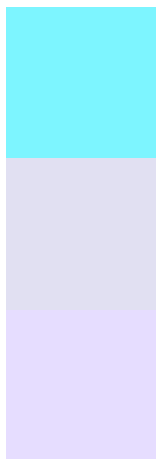


This preview shows how white text looks on a background with the Yxy color 76.8848, 0.2441, 0.3172.

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

76.8848, 0.2441, 0.3172

Protanopia

75.7297, 0.3019, 0.3101

Deuteranopia

75.7559, 0.2973, 0.2942



Tritanopia

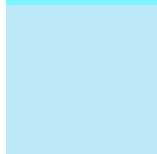
76.8093, 0.2571, 0.3120

Trichromacy



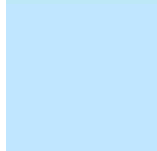
Original Color

76.8848, 0.2441, 0.3172



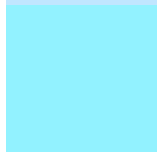
Protanomaly

75.2474, 0.2766, 0.3124



Deuteranomaly

75.0201, 0.2739, 0.3018



Tritanomaly

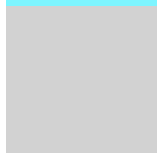
76.8353, 0.2520, 0.3140

Monochromacy



Original Color

76.8848, 0.2441, 0.3172



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.8500, 0.2815, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8848, 0.2441, 0.3172 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(125, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 245, 255)  
}
```

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(125, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.8848, 0.2441, 0.3172 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(125, 245, 255) }
```

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

```
.border{ border-color:rgb(125, 245, 255) }
```

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

Here you see how a box with a 4 pixel rgb(125, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8848, 0.2441, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 245, 255) }
```

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

```
.background{ background-color: rgb(125,  
245, 255) }
```

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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