

Converting Colors

$Y_{xy}(76.7839, 0.2503, 0.3276)$

Have a look what the booklet for
Yxy(76.7839, 0.2503, 0.3276)
contains.

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Color

Yxy(76.7839, 0.2503, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	83F5F6
RGB	131, 245, 246
RGB Percent	51%, 96%, 96%
CMY	0.4857, 0.0393, 0.0352
CMYK	0.47, 0.00, 0.00, 0.04
HSL	181°, 86%, 74%
HSV	181°, 47%, 96%
XYZ	58.6661, 76.7839, 98.9331
YIQ	211.0280, -68.2650, -23.8570

Conversions

Conversions Part 2

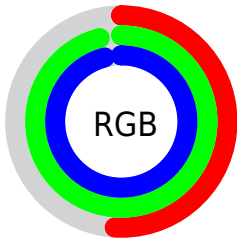
Format	Color
R_{YB}	131, 188, 246
Decimal	8648182
CIE _{Lab}	90.22, -32.14, -10.57
CIE _{LCh}	90, 33.832, 198.207
Yxy	76.7839, 0.2503, 0.3276
Android (android.graphics.Color)	4286838262 (0xFF83F5F6)
YUV	211.0280, 17.2412, -70.1846
Hunter-Lab	87.6264, -33.8401, -5.6019

Details

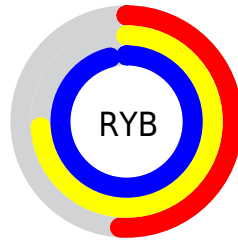
The Yxy color **76.7839, 0.2503, 0.3276** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.7931, 0.4407, 0.3305**, and the grayscale version is **65.1040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **40.9494, 0.2365, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **74.9130, 0.2413, 0.3273**, and if you desaturate by 10%, it is **79.1274, 0.2611, 0.3279**.

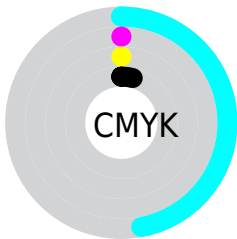
Distribution



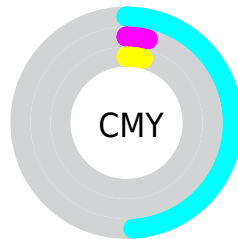
- Red (51%)
- Green (96%)
- Blue (96%)



- Red (51%)
- Yellow (74%)
- Blue (96%)



- Cyan (47%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)





- Cyan (49%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7839, 0.2503, 0.3276 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 76.7839, 0.2503, 0.3276 by changing the saturation by 10% instead.


 76.7839, 0.2503,
0.3276

 76.7839, 0.2503,
0.3276

484.0269, 0.2783,
0.3289

 57.0755, 0.2441,
0.3271


 128.8344, 0.2598,
0.3282

 41.0659, 0.2366,
0.3265


 161.9453, 0.2636,
0.3284

 28.3706, 0.2273,
0.3256


 200.2925, 0.2669,
0.3285

 18.6052, 0.2154,
0.3242

244.2604, 0.2697,
0.3286

 11.3853, 0.1997,
0.3220

294.2334, 0.2723,
0.3287

 6.3267, 0.1784,
0.3182

350.5959, 0.2745,

 3.0447, 0.1480,

0.3288

0.3109

413.7323, 0.2765,
0.3289

■ 1.1551, 0.0764,
0.3033

■ 0.0246, 0.0000,
0.0311

■ 76.7839, 0.2503,
0.3276

■ 76.7839, 0.2503,
0.3276

■ 74.9130, 0.2413,
0.3273

■ 79.1274, 0.2611,
0.3279

■ 73.4723, 0.2342,
0.3270


■ 81.9648, 0.2736,
0.3282

■ 72.4267, 0.2291,
0.3266


■ 85.3268, 0.2874,
0.3285


■ 71.7319, 0.2258,
0.3263


■ 89.2390, 0.3023,
0.3288

 71.3315, 0.2242,
0.3261


 93.7254, 0.3180,
0.3291

 71.2348, 0.2239,
0.3260

 94.0196, 0.3185,
0.3293

 94.1552, 0.3185,
0.3295

 94.2909, 0.3185,
0.3297

 94.4268, 0.3184,
0.3299

Harmonies

Analogous

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



76.7839, 0.2781, 0.3665



76.7839, 0.2503, 0.3276



76.7839, 0.2388, 0.2924

Triad

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



76.7839, 0.2503, 0.3276



76.7839, 0.3051, 0.2733



76.7839, 0.3835, 0.3857

Complementary

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



76.7839, 0.2503, 0.3276



37.7931, 0.4407, 0.3305

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.



76.7839, 0.3927, 0.3577



76.7839, 0.2503, 0.3276



76.7839, 0.3458, 0.2951

Square

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



76.7839, 0.2503, 0.3276



76.7839, 0.2688, 0.2641



76.7839, 0.3787, 0.3251



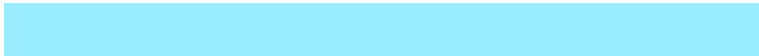
76.7839, 0.3550, 0.4006

Rectangle

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



76.7839, 0.2503, 0.3276



76.7839, 0.2412, 0.2759



76.7839, 0.3787, 0.3251



76.7839, 0.3890, 0.3774

Sweetspot

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



76.7869, 0.2503, 0.3276



93.6410, 0.2913, 0.3286



72.4044, 0.3058, 0.4766



19.8563, 0.2882, 0.3285



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.



76.7869, 0.2503, 0.3276



81.3772, 0.2418, 0.3273



47.7096, 0.2373, 0.2566



18.7306, 0.2981, 0.3287



38.0272, 0.2239, 0.3260



3.3504, 0.2240, 0.3264

Inverse Universe

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



42.4612, 0.3190, 0.2162



40.0297, 0.3201, 0.1974



57.4566, 0.4094, 0.3905



16.7656, 0.3139, 0.3059



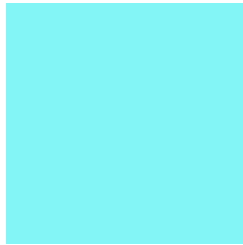
13.9382, 0.3232, 0.1554



1.2259, 0.3229, 0.1552

Previews

White Background



This preview shows how the Yxy color 76.7839, 0.2503, 0.3276 looks on a white background.

Color Contrast Check

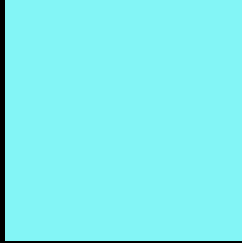
Large Text (above 18pt) WCAG AA × Fail

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 76.7839, 0.2503, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

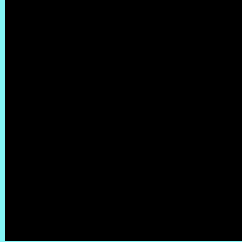
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7839, 0.2503, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 76.7839, 0.2503, 0.3276.

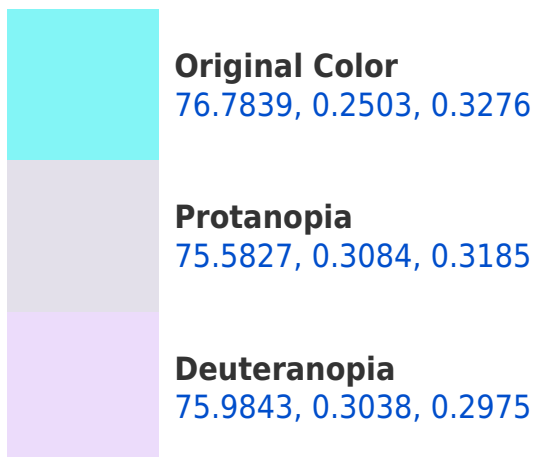


This preview shows how white text looks on a background with the Yxy color 76.7839, 0.2503, 0.3276.

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

76.4266, 0.2579, 0.3109

Trichromacy



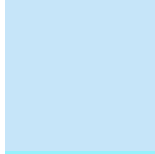
Original Color

76.7839, 0.2503, 0.3276



Protanomaly

75.0927, 0.2834, 0.3223



Deuteranomaly

74.8839, 0.2806, 0.3072



Tritanomaly

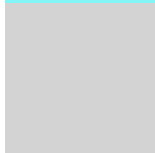
76.4229, 0.2550, 0.3163

Monochromacy



Original Color

76.7839, 0.2503, 0.3276



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.1023, 0.2846, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7839, 0.2503, 0.3276 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(131, 245, 246)` looks like.

```
.text, #text, p{  
    color:rgb(131, 245, 246)  
}
```

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(131, 245, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 245, 246) }
```

Border

The CSS property to change the border of an element to Yxy 76.7839, 0.2503, 0.3276 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(131, 245, 246) }
```

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

```
.border{ border-color:rgb(131, 245, 246) }
```

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

Here you see how a box with a 4 pixel rgb(131, 245, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 245, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 245, 246);  
box-shadow:4px 4px 4px 4px rgb(131, 245,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7839, 0.2503, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 245, 246) }
```

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

```
.background{ background-color: rgb(131,  
245, 246) }
```

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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