

Converting Colors

$Yxy(76.0474, 0.2480, 0.3300)$

Have a look what the booklet for
Yxy(76.0474, 0.2480, 0.3300)
contains.

Yxy(76.0474, 0.2480, 0.3300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.0474, 0.2480, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	7BF5F4
RGB	123, 245, 244
RGB Percent	48%, 96%, 96%
CMY	0.5176, 0.0392, 0.0432
CMYK	0.50, 0.00, 0.00, 0.04
HSL	180°, 86%, 72%
HSV	180°, 50%, 96%
XYZ	57.1508, 76.0474, 97.2485
YIQ	208.4080, -72.3910, -26.1750

Conversions

Conversions Part 2

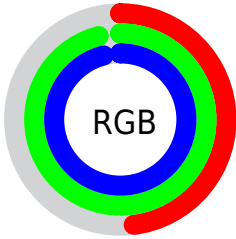
Format	Color
R _Y B	123, 184, 245
Decimal	8123892
CIE Lab	89.88, -34.37, -10.05
CIE LCh	90, 35.807, 196.304
Yxy	76.0474, 0.2480, 0.3300
Android (android.graphics.Color)	4286313972 (0xFF7BF5F4)
YUV	208.4080, 17.5469, -74.9028
Hunter-Lab	87.2052, -35.6273, -5.0748

Details

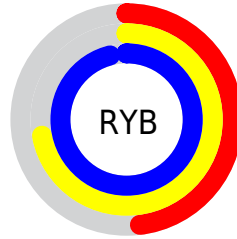
The Yxy color **76.0474, 0.2480, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.0404, 0.4534, 0.3284**, and the grayscale version is **63.2788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **40.4671, 0.2336, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **74.4513, 0.2397, 0.3302**, and if you desaturate by 10%, it is **78.1015, 0.2581, 0.3298**.

Distribution



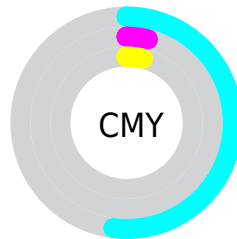
- Red (48%)
- Green (96%)
- Blue (96%)



- Red (48%)
- Yellow (72%)
- Blue (96%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (52%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.0474, 0.2480, 0.3300 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 76.0474, 0.2480, 0.3300 by changing the saturation by 10% instead.


 76.0474, 0.2480,
0.3300

 76.0474, 0.2480,
0.3300


481.5099, 0.2771,
0.3302


 56.4714, 0.2416,
0.3298


 127.7939, 0.2579,
0.3302

 40.5810, 0.2338,
0.3294


 160.7332, 0.2618,
0.3303

 27.9918, 0.2240,
0.3289


 198.8957, 0.2652,
0.3303

 18.3195, 0.2116,
0.3279

242.6657, 0.2682,
0.3303

 11.1796, 0.1954,
0.3262

292.4278, 0.2708,
0.3303

 6.1878, 0.1732,
0.3231


348.5663, 0.2731,


 2.9596, 0.1416,


0.3303


411.4655, 0.2752,
0.3303


0.3167


 1.1107, 0.0568,
0.3141


 0.0000, 0.0000,
0.0000


 76.0474, 0.2480,
0.3300


 76.0474, 0.2480,
0.3300


 74.4513, 0.2397,
0.3302

 78.1015, 0.2581,
0.3298


 73.2699, 0.2334,
0.3305

 80.6356, 0.2700,
0.3295


 72.4669, 0.2290,
0.3308


 83.6807, 0.2833,
0.3293

 71.9956, 0.2265,
0.3310


 87.2629, 0.2977,
0.3292


 71.7798, 0.2254,
0.3313


 91.4062, 0.3130,
0.3290

 71.7761, 0.2254,
0.3313

 93.1718, 0.3191,
0.3288

 93.1842, 0.3189,
0.3286

 93.1966, 0.3188,
0.3284

 93.2090, 0.3187,
0.3282

Harmonies

Analogous

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



76.0474, 0.2782, 0.3713



76.0474, 0.2480, 0.3300



76.0474, 0.2348, 0.2920

Triad

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



76.0474, 0.2480, 0.3300



76.0474, 0.3018, 0.2691



76.0474, 0.3890, 0.3873

Complementary

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



76.0474, 0.2480, 0.3300



35.0404, 0.4534, 0.3284

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.



76.0474, 0.3975, 0.3569



76.0474, 0.2480, 0.3300



76.0474, 0.3452, 0.2913

Square

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



76.0474, 0.2480, 0.3300



76.0474, 0.2641, 0.2603



76.0474, 0.3812, 0.3225



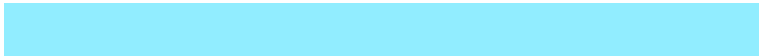
76.0474, 0.3597, 0.4046

Rectangle

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



76.0474, 0.2480, 0.3300



76.0474, 0.2365, 0.2739



76.0474, 0.3812, 0.3225



76.0474, 0.3945, 0.3782

Sweetspot

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



76.0503, 0.2480, 0.3300



93.4331, 0.2900, 0.3293



71.1012, 0.3063, 0.4873



19.8247, 0.2870, 0.3293



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.



76.0503, 0.2480, 0.3300



81.4836, 0.2395, 0.3303



45.9423, 0.2330, 0.2536



18.7553, 0.2982, 0.3292



38.6674, 0.2254, 0.3312



3.3992, 0.2253, 0.3309

Inverse Universe

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



35.0404, 0.4534, 0.3284



31.7473, 0.5012, 0.3284



54.2911, 0.4187, 0.3922



16.4847, 0.3293, 0.3289



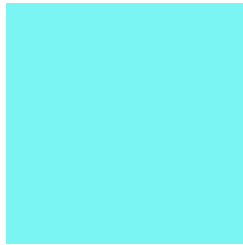
10.4613, 0.6392, 0.3295



0.9202, 0.6370, 0.3283

Previews

White Background



This preview shows how the Yxy color 76.0474, 0.2480, 0.3300 looks on a white background.

Color Contrast Check

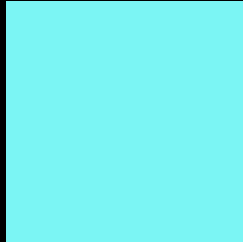
Large Text (above 18pt) WCAG AA × Fail

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 76.0474, 0.2480, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

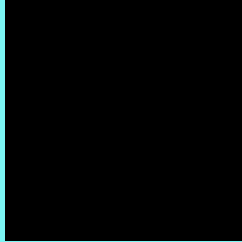
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.0474, 0.2480, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 76.0474, 0.2480, 0.3300.

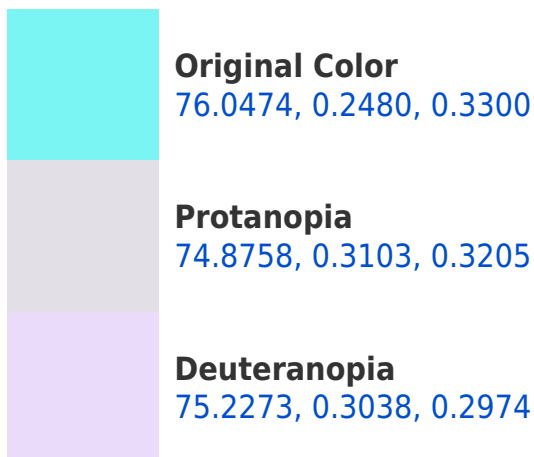


This preview shows how white text looks on a background with the Yxy color 76.0474, 0.2480, 0.3300.

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

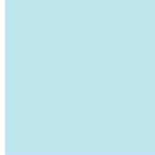
75.8230, 0.2551, 0.3107

Trichromacy



Original Color

76.0474, 0.2480, 0.3300



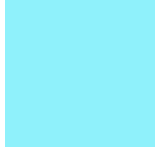
Protanomaly

74.0268, 0.2826, 0.3233



Deuteranomaly

73.7334, 0.2787, 0.3070



Tritanomaly

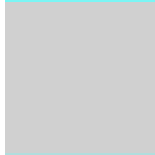
75.7153, 0.2523, 0.3173

Monochromacy



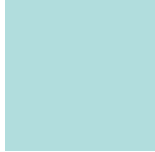
Original Color

76.0474, 0.2480, 0.3300



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

66.2805, 0.2831, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0474, 0.2480, 0.3300 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(123, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(123, 245, 244)  
}
```

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(123, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 245, 244) }
```

Border

The CSS property to change the border of an element to Yxy 76.0474, 0.2480, 0.3300 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(123, 245, 244) }
```

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

```
.border{ border-color:rgb(123, 245, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 245, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 245, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 245, 244);  
box-shadow:4px 4px 4px 4px rgb(123, 245,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0474, 0.2480, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 245, 244) }
```

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

```
.background{ background-color: rgb(123,  
245, 244) }
```

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