

Converting Colors

$Yxy(77.5350, 0.2771, 0.3694)$

Have a look what the booklet for
Yxy(77.5350, 0.2771, 0.3694)
contains.

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Color

Yxy(77.5350, 0.2771, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	9AF6D4
RGB	154, 246, 212
RGB Percent	60%, 96%, 83%
CMY	0.3962, 0.0353, 0.1686
CMYK	0.37, 0.00, 0.14, 0.04
HSL	158°, 84%, 78%
HSV	158°, 37%, 96%
XYZ	58.1617, 77.5350, 74.1977
YIQ	214.6160, -43.9180, -30.0780

Conversions

Conversions Part 2

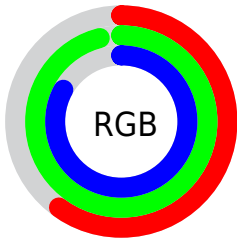
Format	Color
RYB	154, 210, 246
Decimal	10155732
CIELab	90.57, -34.85, 7.74
CIELCh	91, 35.699, 167.479
Yxy	77.5350, 0.2771, 0.3694
Android (android.graphics.Color)	4288345812 (0xFF9AF6D4)
YUV	214.6160, -1.2897, -53.1602
Hunter-Lab	88.0540, -36.1909, 11.6777

Details

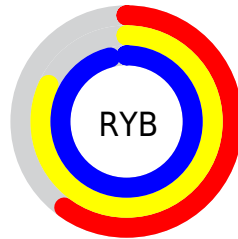
The Yxy color **77.5350, 0.2771, 0.3694** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.3225, 0.3702, 0.2925**, and the grayscale version is **67.7099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **41.4262, 0.2688, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **74.9215, 0.2697, 0.3825**, and if you desaturate by 10%, it is **80.6752, 0.2857, 0.3572**.

Distribution



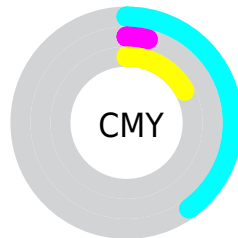
- Red (60%)
- Green (96%)
- Blue (83%)



- Red (60%)
- Yellow (82%)
- Blue (96%)



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)





- Cyan (40%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5350, 0.2771, 0.3694 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 77.5350, 0.2771, 0.3694 by changing the saturation by 10% instead.


 77.5350, 0.2771,
0.3694


 77.5350, 0.2771,
0.3694

486.5862, 0.2936,
0.3504

 57.6921, 0.2733,
0.3738

 129.8944, 0.2828,
0.3627

 41.5611, 0.2687,
0.3793

 163.1797, 0.2851,
0.3602

 28.7578, 0.2627,
0.3863


201.7145, 0.2870,
0.3580

 18.8977, 0.2550,
0.3956

245.8834, 0.2887,
0.3561

 11.5964, 0.2444,
0.4085

296.0705, 0.2901,
0.3544

 6.4695, 0.2293,
0.4274

352.6605, 0.2914,

 3.1326, 0.2056,

0.3529

0.4578

416.0376, 0.2926,
0.3516

1.2013, 0.1190,
0.5472

0.0628, 0.0000,
1.0000

77.5350, 0.2771,
0.3694

77.5350, 0.2771,
0.3694

74.9215, 0.2697,
0.3825

80.6752, 0.2857,
0.3572

72.7944, 0.2639,
0.3962

84.3608, 0.2951,
0.3460

71.1226, 0.2598,
0.4105

88.6212, 0.3051,
0.3359

69.8673, 0.2577,
0.4250

93.4809, 0.3154,
0.3267

■ 68.9830, 0.2577,
0.4394

■ 94.3974, 0.3131,
0.3204

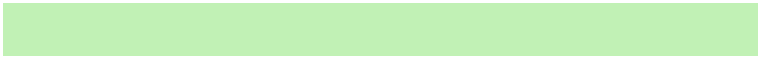
■ 68.4101, 0.2597,
0.4535

■ 68.2893, 0.2603,
0.4571

Harmonies

Analogous

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



77.5350, 0.3172, 0.3984



77.5350, 0.2771, 0.3694



77.5350, 0.2477, 0.3284

Triad

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



77.5350, 0.2771, 0.3694



77.5350, 0.2658, 0.2610



77.5350, 0.3968, 0.3580

Complementary

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



77.5350, 0.2771, 0.3694



46.3225, 0.3702, 0.2925

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.



77.5350, 0.3816, 0.3239



77.5350, 0.2771, 0.3694



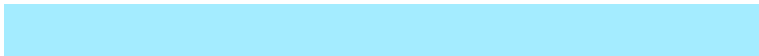
77.5350, 0.3036, 0.2703

Square

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



77.5350, 0.2771, 0.3694



77.5350, 0.2417, 0.2676



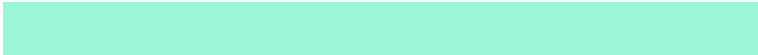
77.5350, 0.3465, 0.2927



77.5350, 0.3875, 0.3878

Rectangle

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



77.5350, 0.2771, 0.3694



77.5350, 0.2374, 0.3023



77.5350, 0.3465, 0.2927



77.5350, 0.3944, 0.3468

Sweetspot

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



77.5381, 0.2771, 0.3694



94.4134, 0.3014, 0.3394



79.0998, 0.3295, 0.4356



20.0727, 0.3001, 0.3408



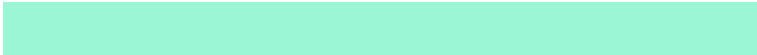
0.0000, 0.0000, 0.0000



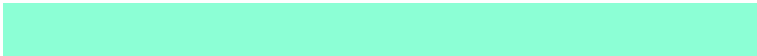
21.4041, 0.3127, 0.3290

Same Dimension

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



77.5381, 0.2771, 0.3694



81.9022, 0.2713, 0.3793



73.0927, 0.2586, 0.3164



18.6479, 0.3030, 0.3379



36.4750, 0.2597, 0.4548



3.2256, 0.2548, 0.4372

Inverse Universe

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



46.3225, 0.3702, 0.2925



43.4927, 0.3879, 0.2851



48.7292, 0.4005, 0.3410



16.5837, 0.3235, 0.3203



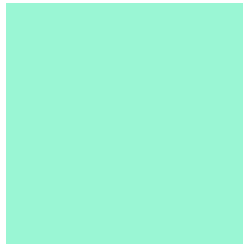
10.8844, 0.5503, 0.2805



0.9758, 0.5161, 0.2617

Previews

White Background



This preview shows how the Yxy color 77.5350, 0.2771, 0.3694 looks on a white background.

Color Contrast Check

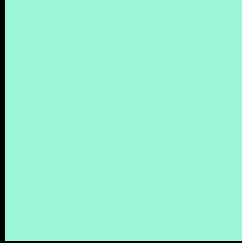
Large Text (above 18pt) WCAG AA × Fail

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 77.5350, 0.2771, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

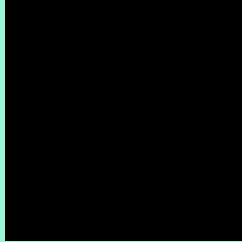
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5350, 0.2771, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 77.5350, 0.2771, 0.3694.

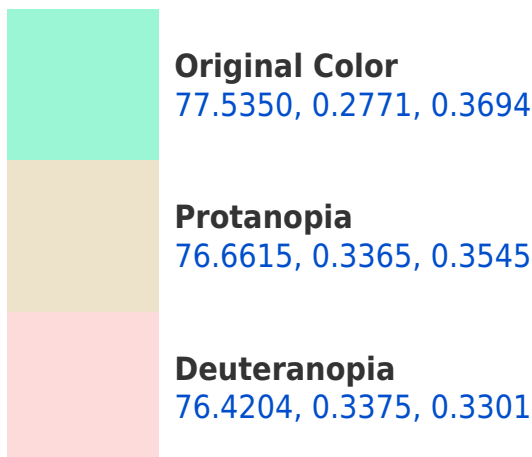


This preview shows how white text looks on a background with the Yxy color 77.5350, 0.2771, 0.3694.

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

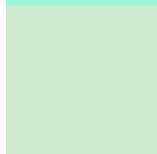
77.3677, 0.2648, 0.3101

Trichromacy



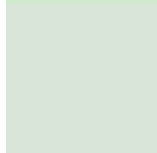
Original Color

77.5350, 0.2771, 0.3694



Protanomaly

75.9995, 0.3120, 0.3592



Deuteranomaly

75.5954, 0.3120, 0.3432



Tritanomaly

77.3581, 0.2696, 0.3312

Monochromacy



Original Color

77.5350, 0.2771, 0.3694



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.5852, 0.2978, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5350, 0.2771, 0.3694 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(154, 246, 212)` looks like.

```
.text, #text, p{  
    color:rgb(154, 246, 212)  
}
```

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(154, 246, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 246, 212) }
```

Border

The CSS property to change the border of an element to Yxy 77.5350, 0.2771, 0.3694 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(154, 246, 212) }
```

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

```
.border{ border-color:rgb(154, 246, 212) }
```

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

Here you see how a box with a 4 pixel rgb(154, 246, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 246, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 246, 212);  
box-shadow:4px 4px 4px 4px rgb(154, 246,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5350, 0.2771, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 246, 212) }
```

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

```
.background{ background-color: rgb(154,  
246, 212) }
```

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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