

Converting Colors

$Yxy(77.3766, 0.2970, 0.4079)$

Have a look what the booklet for
Yxy(77.3766, 0.2970, 0.4079)
contains.

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Color

Yxy(77.4760, 0.2967, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	A1F7B6
RGB	161, 247, 182
RGB Percent	63%, 97%, 71%
CMY	0.3684, 0.0314, 0.2863
CMYK	0.35, 0.00, 0.26, 0.03
HSL	135°, 84%, 80%
HSV	135°, 35%, 97%
XYZ	56.4101, 77.4760, 56.2390
YIQ	213.8760, -30.3910, -38.4470

Conversions

Conversions Part 2

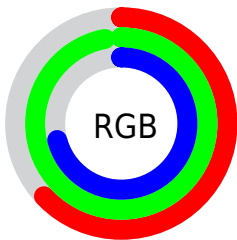
Format	Color
RYB	161, 230, 247
Decimal	10614710
CIELab	90.54, -39.04, 23.22
CIElCh	91, 45.423, 149.254
Yxy	77.4760, 0.2967, 0.4075
Android (android.graphics.Color)	4288804790 (0xFFA1F7B6)
YUV	213.8760, -15.7149, -46.3723
Hunter-Lab	88.0205, -39.6396, 23.7321

Details

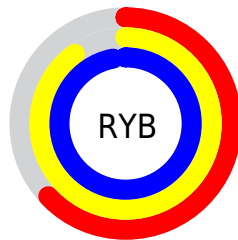
The Yxy color **77.4760, 0.2967, 0.4075** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.7749, 0.3343, 0.2617**, and the grayscale version is **67.2897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5985, 0.2997, 0.3465**, and **41.4761, 0.2917, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **74.4390, 0.2929, 0.4351**, and if you desaturate by 10%, it is **81.1293, 0.3011, 0.3819**.

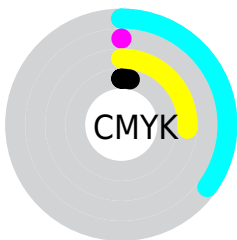
Distribution



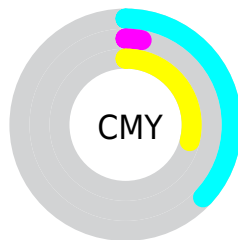
- Red (63%)
- Green (97%)
- Blue (71%)



- Red (63%)
- Yellow (90%)
- Blue (97%)



- Cyan (35%)
- Magenta (0%)
- Yellow (26%)
- Black (3%)




- Cyan (37%)
- Magenta (3%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4760, 0.2967, 0.4075 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 77.4760, 0.2967, 0.4075 by changing the saturation by 10% instead.


 77.4760, 0.2967,
0.4075


 77.4760, 0.2967,
0.4075

486.3854, 0.3050,
0.3697

 57.6436, 0.2946,
0.4165

 129.8112, 0.2998,
0.3941

 41.5222, 0.2918,
0.4278


 163.0828, 0.3009,
0.3890

 28.7274, 0.2882,
0.4423


201.6029, 0.3019,
0.3846

 18.8747, 0.2830,
0.4618

245.7560, 0.3027,
0.3808

 11.5798, 0.2754,
0.4892

295.9264, 0.3034,
0.3775

 6.4582, 0.2631,
0.5299


352.4985, 0.3040,


 3.1257, 0.2411,


0.3746


0.5963


415.8567, 0.3045,
0.3720


 1.1977, 0.1153,
0.8847

 0.0598, 0.0000,
1.0000


 77.4760, 0.2967,
0.4075


 77.4760, 0.2967,
0.4075


 74.4390, 0.2929,
0.4351


 81.1293, 0.3011,
0.3819


 71.9747, 0.2900,
0.4640

 85.4206, 0.3057,
0.3587

 70.0487, 0.2882,
0.4930

 90.3824, 0.3105,
0.3380

 68.6192, 0.2878,
0.5207

 94.9991, 0.3131,
0.3214

■ 67.6375, 0.2889,
0.5455

■ 67.0449, 0.2914,
0.5659

■ 66.8476, 0.2929,
0.5746

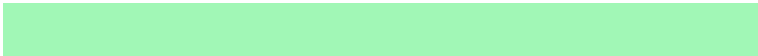
Harmonies

Analogous

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



77.4760, 0.3494, 0.4265



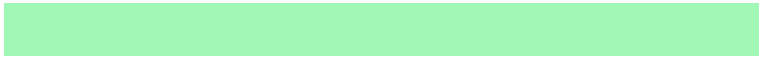
77.4760, 0.2967, 0.4075



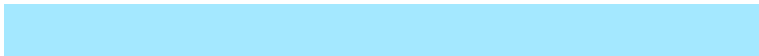
77.4760, 0.2507, 0.3605

Triad

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



77.4760, 0.2967, 0.4075



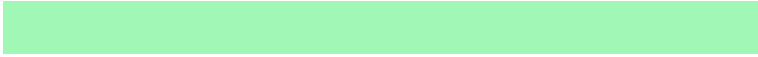
77.4760, 0.2332, 0.2463



77.4760, 0.4119, 0.3380

Complementary

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



77.4760, 0.2967, 0.4075



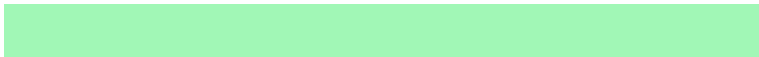
50.7749, 0.3343, 0.2617

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.



77.4760, 0.3753, 0.2976



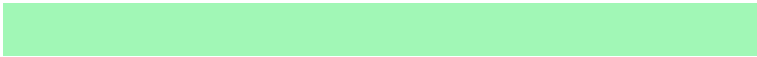
77.4760, 0.2967, 0.4075



77.4760, 0.2703, 0.2468

Square

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



77.4760, 0.2967, 0.4075



77.4760, 0.2167, 0.2663



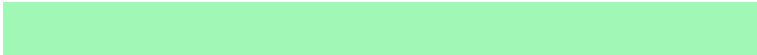
77.4760, 0.3220, 0.2652



77.4760, 0.4184, 0.3797

Rectangle

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



77.4760, 0.2967, 0.4075



77.4760, 0.2295, 0.3241



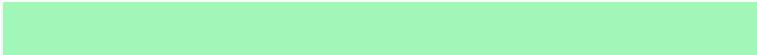
77.4760, 0.3220, 0.2652



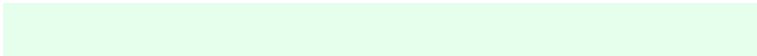
77.4760, 0.4026, 0.3240

Sweetspot

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



77.4792, 0.2967, 0.4075



94.3001, 0.3080, 0.3485



85.4157, 0.3511, 0.4203



20.0254, 0.3073, 0.3514



0.0000, 0.0000, 0.0000



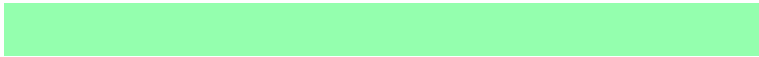
21.4041, 0.3127, 0.3290

Same Dimension

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



77.4792, 0.2967, 0.4075



80.8630, 0.2939, 0.4274



79.4876, 0.2747, 0.3555



18.5383, 0.3082, 0.3474



35.3735, 0.2922, 0.5720



3.1246, 0.2857, 0.5486

Inverse Universe

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



50.7749, 0.3343, 0.2617



48.0594, 0.3402, 0.2479



48.7411, 0.3733, 0.3045



16.6952, 0.3175, 0.3113



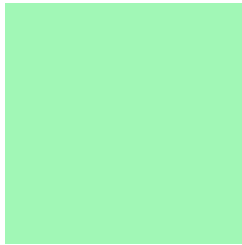
12.3741, 0.3941, 0.1945



1.1036, 0.3830, 0.1883

Previews

White Background



This preview shows how the Yxy color 77.4760, 0.2967, 0.4075 looks on a white background.

Color Contrast Check

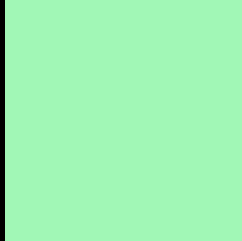
Large Text (above 18pt) WCAG AA × Fail

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 77.4760, 0.2967, 0.4075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

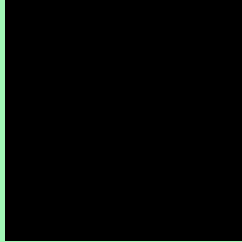
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4760, 0.2967, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 77.4760, 0.2967, 0.4075.

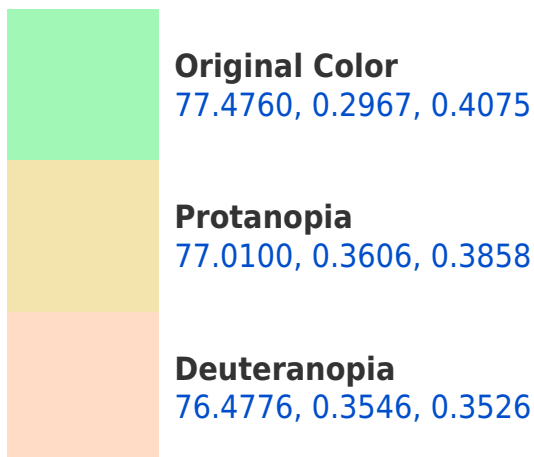


This preview shows how white text looks on a background with the Yxy color 77.4760, 0.2967, 0.4075.

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

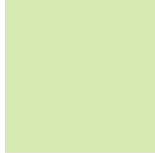
77.3721, 0.2674, 0.3091

Trichromacy



Original Color

77.4760, 0.2967, 0.4075



Protanomaly

76.1264, 0.3349, 0.3941



Deuteranomaly

75.7716, 0.3310, 0.3708



Tritanomaly

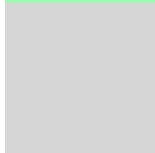
77.2827, 0.2779, 0.3438

Monochromacy



Original Color

77.4760, 0.2967, 0.4075



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.2591, 0.3066, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4760, 0.2967, 0.4075 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(161, 247, 182)` looks like.

```
.text, #text, p{  
    color:rgb(161, 247, 182)  
}
```

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(161, 247, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 247, 182) }
```

Border

The CSS property to change the border of an element to Yxy 77.4760, 0.2967, 0.4075 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(161, 247, 182) }
```

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

```
.border{ border-color:rgb(161, 247, 182) }
```

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

Here you see how a box with a 4 pixel rgb(161, 247, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 247, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 247, 182);  
box-shadow:4px 4px 4px 4px rgb(161, 247,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4760, 0.2967, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 247, 182) }
```

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

```
.background{ background-color: rgb(161,  
247, 182) }
```

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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