

Converting Colors

$Yxy(77.1239, 0.2765, 0.3691)$

Have a look what the booklet for
Yxy(77.1239, 0.2765, 0.3691)
contains.

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Color

Yxy(77.4373, 0.2766, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	99F6D4
RGB	153, 246, 212
RGB Percent	60%, 96%, 83%
CMY	0.4002, 0.0352, 0.1687
CMYK	0.38, 0.00, 0.14, 0.04
HSL	158°, 84%, 78%
HSV	158°, 38%, 96%
XYZ	57.9679, 77.4373, 74.1680
YIQ	214.3170, -44.5140, -30.2900

Conversions

Conversions Part 2

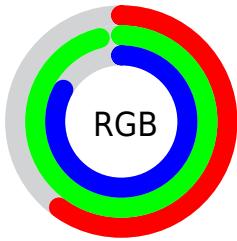
Format	Color
RYB	153, 210, 246
Decimal	10090196
CIELab	90.52, -35.13, 7.69
CIELCh	91, 35.959, 167.659
Yxy	77.4373, 0.2766, 0.3695
Android (android.graphics.Color)	4288280276 (0xFF99F6D4)
YUV	214.3170, -1.1423, -53.7750
Hunter-Lab	87.9985, -36.4126, 11.6274

Details

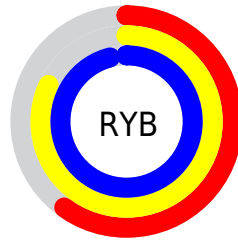
The Yxy color **77.4373, 0.2766, 0.3695** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.9502, 0.3715, 0.2925**, and the grayscale version is **67.4944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **41.3709, 0.2682, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **74.8477, 0.2693, 0.3825**, and if you desaturate by 10%, it is **80.5518, 0.2852, 0.3574**.

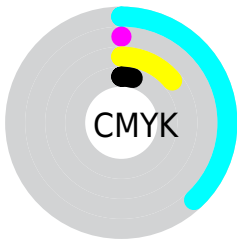
Distribution



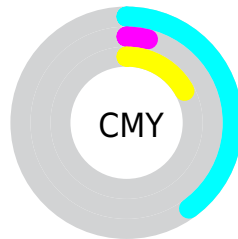
- Red (60%)
- Green (96%)
- Blue (83%)



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



- Cyan (38%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4373, 0.2766, 0.3695 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 77.4373, 0.2766, 0.3695 by changing the saturation by 10% instead.

 77.4373, 0.2766,
0.3695

 77.4373, 0.2766,
0.3695

486.2537, 0.2933,
0.3505

 57.6119, 0.2728,
0.3739

 129.7566, 0.2824,
0.3628

 41.4967, 0.2680,
0.3794

 163.0192, 0.2847,
0.3603

 28.7074, 0.2620,
0.3865


201.5297, 0.2866,
0.3580

 18.8596, 0.2542,
0.3958


245.6724, 0.2883,
0.3561

 11.5689, 0.2435,
0.4087

295.8318, 0.2898,
0.3544

 6.4508, 0.2281,
0.4277


352.3922, 0.2911,


 3.1211, 0.2042,


0.3530

415.7381, 0.2923,
0.3516

0.4582


 1.1953, 0.1147,
0.5493


 0.0578, 0.0000,
1.0000


 77.4373, 0.2766,
0.3695


 77.4373, 0.2766,
0.3695

 74.8477, 0.2693,
0.3825


 80.5518, 0.2852,
0.3574


 72.7428, 0.2634,
0.3961

 84.2103, 0.2946,
0.3463

 71.0912, 0.2594,
0.4102

 88.4419, 0.3046,
0.3362

 69.8540, 0.2574,
0.4246

 93.2714, 0.3150,
0.3271

■ 68.9853, 0.2574,
0.4388

■ 94.3998, 0.3131,
0.3204

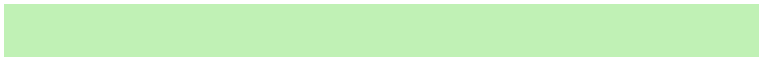
■ 68.4232, 0.2594,
0.4528

■ 68.3219, 0.2599,
0.4558

Harmonies

Analogous

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



77.4373, 0.3170, 0.3989



77.4373, 0.2766, 0.3695



77.4373, 0.2471, 0.3281

Triad

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



77.4373, 0.2766, 0.3695



77.4373, 0.2657, 0.2605



77.4373, 0.3975, 0.3584

Complementary

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



77.4373, 0.2766, 0.3695



45.9502, 0.3715, 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.



77.4373, 0.3823, 0.3241



77.4373, 0.2766, 0.3695



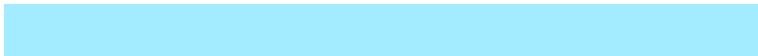
77.4373, 0.3038, 0.2700

Square

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



77.4373, 0.2766, 0.3695



77.4373, 0.2413, 0.2671



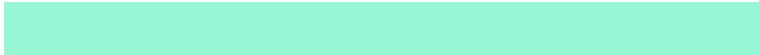
77.4373, 0.3470, 0.2926



77.4373, 0.3880, 0.3884

Rectangle

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



77.4373, 0.2766, 0.3695



77.4373, 0.2368, 0.3019



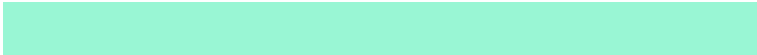
77.4373, 0.3470, 0.2926



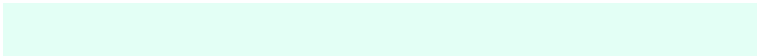
77.4373, 0.3951, 0.3471

Sweetspot

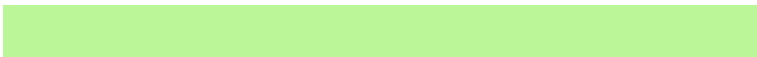
The Sweet Spot groups the original color and five complimentary colors.



77.4404, 0.2766, 0.3695



94.4197, 0.3014, 0.3393



78.7927, 0.3286, 0.4372



20.0741, 0.3000, 0.3407



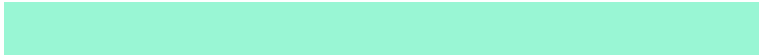
0.0000, 0.0000, 0.0000



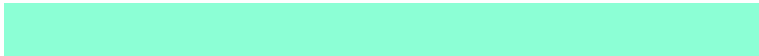
21.4041, 0.3127, 0.3290

Same Dimension

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



77.4404, 0.2766, 0.3695



81.9233, 0.2711, 0.3788



72.0440, 0.2578, 0.3144



18.6490, 0.3029, 0.3378



36.4910, 0.2593, 0.4535



3.2269, 0.2545, 0.4360

Inverse Universe

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



45.9502, 0.3715, 0.2925



43.4754, 0.3883, 0.2856



48.9351, 0.4012, 0.3428



16.5827, 0.3236, 0.3204



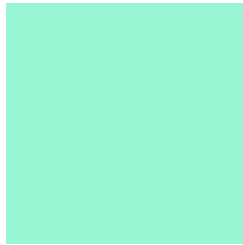
10.8761, 0.5517, 0.2813



0.9750, 0.5174, 0.2624

Previews

White Background



This preview shows how the Yxy color 77.4373, 0.2766, 0.3695 looks on a white background.

Color Contrast Check

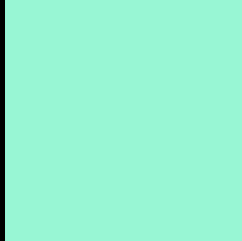
Large Text (above 18pt) WCAG AA × Fail

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 77.4373, 0.2766, 0.3695 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 77.4373, 0.2766, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 77.4373, 0.2766, 0.3695.

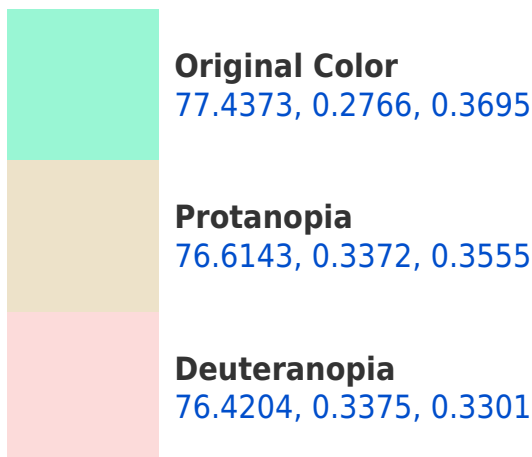


This preview shows how white text looks on a background with the Yxy color 77.4373, 0.2766, 0.3695.

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

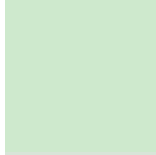
77.2533, 0.2643, 0.3101

Trichromacy



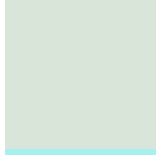
Original Color

77.4373, 0.2766, 0.3695



Protanomaly

75.8074, 0.3119, 0.3604



Deuteranomaly

75.5954, 0.3120, 0.3432



Tritanomaly

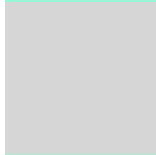
77.2496, 0.2690, 0.3312

Monochromacy



Original Color

77.4373, 0.2766, 0.3695



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.4033, 0.2978, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4373, 0.2766, 0.3695 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(153, 246, 212)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 246, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 246, 212) }
```

Border

The CSS property to change the border of an element to Yxy 77.4373, 0.2766, 0.3695 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(153, 246, 212) }
```

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

```
.border{ border-color:rgb(153, 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(153, 246, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 246, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 246, 212);  
box-shadow:4px 4px 4px 4px rgb(153, 246,  
212) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.4373, 0.2766, 0.3695$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 246, 212) }
```

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

```
.background{ background-color: rgb(153,  
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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