

Converting Colors

$Yxy(76.8224, 0.2735, 0.3703)$

Have a look what the booklet for
Yxy(76.8224, 0.2735, 0.3703)
contains.

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Color

Yxy(76.7760, 0.2731, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	92F6D4
RGB	146, 246, 212
RGB Percent	57%, 96%, 83%
CMY	0.4274, 0.0353, 0.1685
CMYK	0.41, 0.00, 0.14, 0.04
HSL	160°, 85%, 77%
HSV	160°, 41%, 96%
XYZ	56.6996, 76.7760, 74.1393
YIQ	212.2240, -48.6860, -31.7740

Conversions

Conversions Part 2

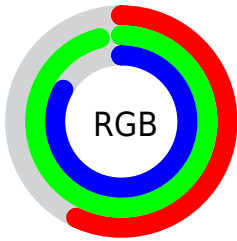
Format	Color
R _Y B	146, 206, 246
Decimal	9631444
CIE Lab	90.22, -36.93, 7.18
CIE LCh	90, 37.625, 168.993
Yxy	76.7760, 0.2731, 0.3698
Android (android.graphics.Color)	4287821524 (0xFF92F6D4)
YUV	212.2240, -0.1104, -58.0784
Hunter-Lab	87.6219, -37.8320, 11.1685

Details

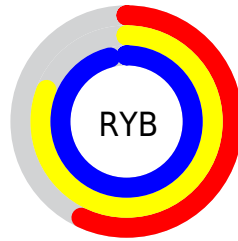
The Yxy color **76.7760, 0.2731, 0.3698** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.4530, 0.3805, 0.2925**, and the grayscale version is **66.0267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **40.9534, 0.2638, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **74.3505, 0.2659, 0.3820**, and if you desaturate by 10%, it is **79.7146, 0.2816, 0.3584**.

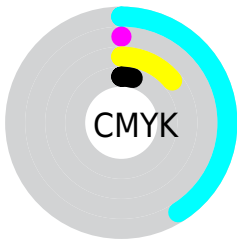
Distribution



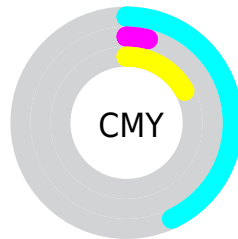
- Red (57%)
- Green (96%)
- Blue (83%)



- Red (57%)
- Yellow (81%)
- Blue (96%)



- Cyan (41%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)




- Cyan (43%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7760, 0.2731, 0.3698 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 76.7760, 0.2731, 0.3698 by changing the saturation by 10% instead.

 76.7760, 0.2731,
0.3698

 76.7760, 0.2731,
0.3698


484.0000, 0.2915,
0.3506

 57.0690, 0.2689,
0.3743


 128.8232, 0.2795,
0.3631

 41.0607, 0.2637,
0.3798


 161.9323, 0.2819,
0.3605

 28.3665, 0.2572,
0.3869


200.2775, 0.2841,
0.3582

 18.6021, 0.2486,
0.3963

244.2433, 0.2859,
0.3563

 11.3831, 0.2369,
0.4093

294.2141, 0.2876,
0.3546

 6.3252, 0.2201,
0.4285

350.5742, 0.2890,

 3.0438, 0.1942,

0.3531

413.7080, 0.2903,
0.3518

0.4592

1.1546, 0.0844,
0.5611

0.0242, 0.0000,
1.0000

76.7760, 0.2731,
0.3698

76.7760, 0.2731,
0.3698

74.3505, 0.2659,
0.3820

79.7146, 0.2816,
0.3584

72.3970, 0.2603,
0.3947

83.1858, 0.2912,
0.3478


70.8832, 0.2567,
0.4078

87.2196, 0.3014,
0.3382

69.7686, 0.2550,
0.4211

91.8407, 0.3120,
0.3295

 69.0047, 0.2554,
0.4342

 94.3149, 0.3138,
0.3215

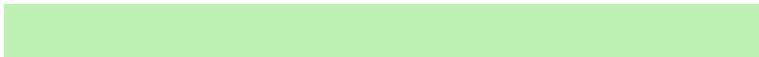
 68.5344, 0.2573,
0.4463

 94.3906, 0.3131,
0.3204

Harmonies

Analogous

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



76.7760, 0.3151, 0.4017



76.7760, 0.2731, 0.3698



76.7760, 0.2431, 0.3260

Triad

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



76.7760, 0.2731, 0.3698



76.7760, 0.2649, 0.2575



76.7760, 0.4018, 0.3611

Complementary

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



76.7760, 0.2731, 0.3698



43.4530, 0.3805, 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.



76.7760, 0.3870, 0.3253



76.7760, 0.2731, 0.3698



76.7760, 0.3053, 0.2681

Square

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



76.7760, 0.2731, 0.3698



76.7760, 0.2388, 0.2634



76.7760, 0.3506, 0.2923



76.7760, 0.3906, 0.3922

Rectangle

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



76.7760, 0.2731, 0.3698



76.7760, 0.2329, 0.2987



76.7760, 0.3506, 0.2923



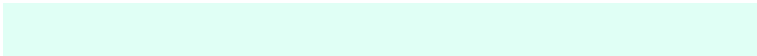
76.7760, 0.3997, 0.3493

Sweetspot

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



76.7791, 0.2731, 0.3698



93.9997, 0.2999, 0.3395



77.8124, 0.3283, 0.4466



19.9920, 0.2986, 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.



76.7791, 0.2731, 0.3698



81.0510, 0.2669, 0.3800



69.9203, 0.2540, 0.3112



18.6565, 0.3026, 0.3372



36.6088, 0.2567, 0.4441



3.2367, 0.2522, 0.4279

Inverse Universe

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



43.4530, 0.3805, 0.2925



40.2364, 0.4022, 0.2853



47.1658, 0.4099, 0.3456



16.5754, 0.3240, 0.3210



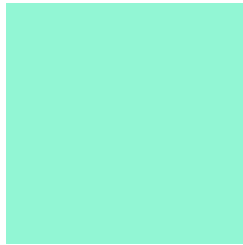
10.8195, 0.5618, 0.2868



0.9694, 0.5268, 0.2676

Previews

White Background



This preview shows how the Yxy color 76.7760, 0.2731, 0.3698 looks on a white background.

Color Contrast Check

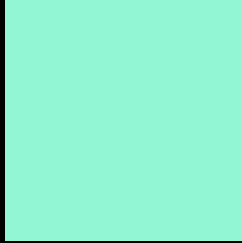
Large Text (above 18pt) WCAG AA × Fail

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 76.7760, 0.2731, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

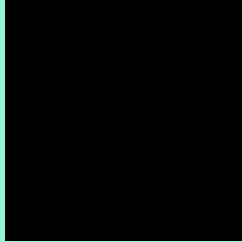
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7760, 0.2731, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 76.7760, 0.2731, 0.3698.

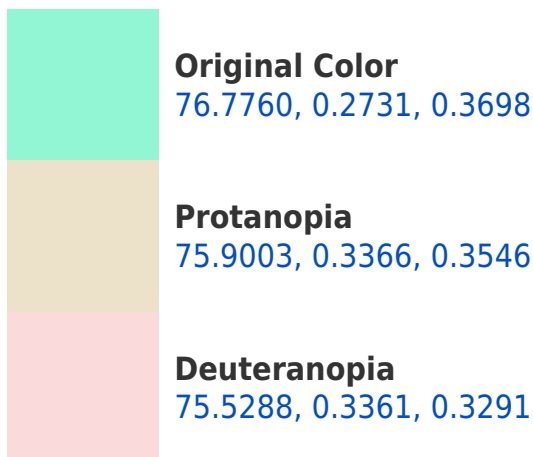


This preview shows how white text looks on a background with the Yxy color 76.7760, 0.2731, 0.3698.

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

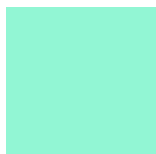




Tritanopia

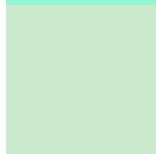
76.6939, 0.2617, 0.3099

Trichromacy



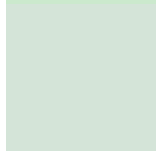
Original Color

76.7760, 0.2731, 0.3698



Protanomaly

75.3821, 0.3099, 0.3606



Deuteranomaly

74.4417, 0.3093, 0.3422



Tritanomaly

76.6162, 0.2660, 0.3312

Monochromacy



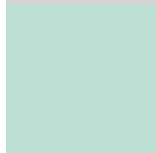
Original Color

76.7760, 0.2731, 0.3698



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.7561, 0.2957, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7760, 0.2731, 0.3698 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(146, 246, 212)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 246, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 246, 212) }
```

Border

The CSS property to change the border of an element to Yxy 76.7760, 0.2731, 0.3698 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(146, 246, 212) }
```

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

```
.border{ border-color:rgb(146, 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(146, 246, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 246, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 246, 212);  
box-shadow:4px 4px 4px 4px rgb(146, 246,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7760, 0.2731, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 246, 212) }
```

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

```
.background{ background-color: rgb(146,  
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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