

Converting Colors

$Yxy(76.9165, 0.2741, 0.4407)$

Have a look what the booklet for
Yxy(76.9165, 0.2741, 0.4407)
contains.

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Color

Yxy(76.9260, 0.2740, 0.4405)

Conversions

Conversions Part 1

Format	Color
Hex	61FFA9
RGB	97, 255, 169
RGB Percent	38%, 100%, 66%
CMY	0.6196, 0.0000, 0.3373
CMYK	0.62, 0.00, 0.34, 0.00
HSL	147°, 100%, 69%
HSV	147°, 62%, 100%
XYZ	47.8495, 76.9260, 49.8578
YIQ	197.9540, -66.5620, -60.2420

Conversions

Conversions Part 2

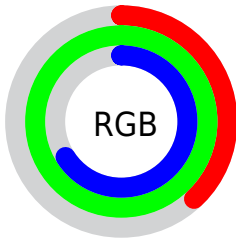
Format	Color
RYB	97, 206, 255
Decimal	6422441
CIELab	90.29, -60.38, 29.10
CIELCh	90, 67.027, 154.268
Yxy	76.9260, 0.2740, 0.4405
Android (android.graphics.Color)	4284612521 (0xFF61FFA9)
YUV	197.9540, -14.2743, -88.5367
Hunter-Lab	87.7075, -56.1059, 27.6915

Details

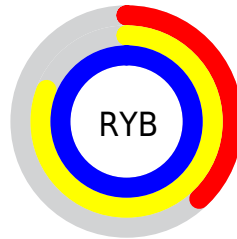
The Yxy color **76.9260, 0.2740, 0.4405** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **33.2265, 0.3985, 0.2449**, and the grayscale version is **56.5584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5333, 0.2752, 0.3632**, and **41.1935, 0.2640, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **75.2486, 0.2722, 0.4622**, and if you desaturate by 10%, it is **79.1071, 0.2776, 0.4191**.

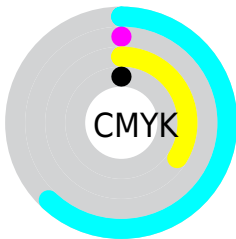
Distribution



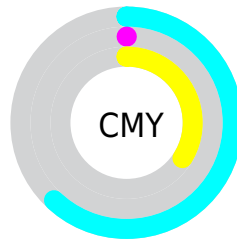
- Red (38%)
- Green (100%)
- Blue (66%)



- Red (38%)
- Yellow (81%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9260, 0.2740, 0.4405 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 76.9260, 0.2740, 0.4405 by changing the saturation by 10% instead.


 76.9260, 0.2740,
0.4405


 76.9260, 0.2740,
0.4405


484.5117, 0.2936,
0.3857

 57.1921, 0.2691,
0.4538

 129.0350, 0.2811,
0.4209

 41.1595, 0.2628,
0.4705


 162.1790, 0.2838,
0.4134

 28.4438, 0.2546,
0.4923


 200.5617, 0.2861,
0.4071

 18.6604, 0.2432,
0.5216

244.5677, 0.2880,
0.4016

 11.4252, 0.2267,
0.5629

294.5813, 0.2897,
0.3969

 6.3536, 0.2013,
0.6244


350.9869, 0.2912,


 3.0612, 0.1599,


0.3927


0.7407


414.1689, 0.2924,
0.3890


 1.1638, 0.0000,
1.0000


 0.0318, 0.0000,
1.0000


 76.9260, 0.2740,
0.4405


 76.9260, 0.2740,
0.4405


 75.2486, 0.2722,
0.4622

 79.1071, 0.2776,
0.4191


 74.0307, 0.2724,
0.4835

 81.8350, 0.2827,
0.3987


 73.2155, 0.2746,
0.5037

 85.1451, 0.2889,
0.3795

 72.7856, 0.2775,
0.5188

 89.0706, 0.2959,
0.3619

 93.6420, 0.3034,
0.3459

 98.8879, 0.3112,
0.3316

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



76.9260, 0.3490, 0.4752



76.9260, 0.2740, 0.4405



76.9260, 0.2136, 0.3607

Triad

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



76.9260, 0.2740, 0.4405



76.9260, 0.2067, 0.2105



76.9260, 0.4642, 0.3468

Complementary

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



76.9260, 0.2740, 0.4405



33.2265, 0.3985, 0.2449

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.



76.9260, 0.4167, 0.2913



76.9260, 0.2740, 0.4405



76.9260, 0.2614, 0.2169

Square

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



76.9260, 0.2740, 0.4405



76.9260, 0.1799, 0.2305



76.9260, 0.3384, 0.2456



76.9260, 0.4626, 0.4046

Rectangle

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



76.9260, 0.2740, 0.4405



76.9260, 0.1888, 0.3052



76.9260, 0.3384, 0.2456



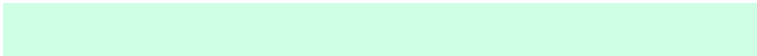
76.9260, 0.4534, 0.3277

Sweetspot

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



76.9252, 0.2740, 0.4405



90.3571, 0.2981, 0.3570



82.5604, 0.3507, 0.5021



19.0742, 0.2960, 0.3617



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.



76.9252, 0.2740, 0.4405



74.9651, 0.2721, 0.4666



80.7824, 0.2406, 0.3381



20.3058, 0.3053, 0.3422



38.0613, 0.2766, 0.5158



3.7276, 0.2705, 0.4939

Inverse Universe

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



33.2265, 0.3985, 0.2449



28.0566, 0.4242, 0.2363



30.8254, 0.5025, 0.3223



18.1525, 0.3208, 0.3161



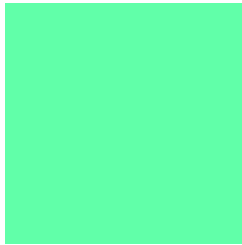
12.1103, 0.4776, 0.2405



1.2012, 0.4548, 0.2279

Previews

White Background



This preview shows how the Yxy color 76.9260, 0.2740, 0.4405 looks on a white background.

Color Contrast Check

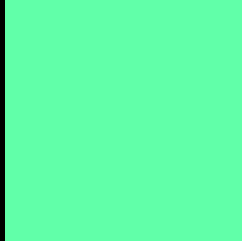
Large Text (above 18pt) WCAG AA × Fail

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 76.9260, 0.2740, 0.4405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

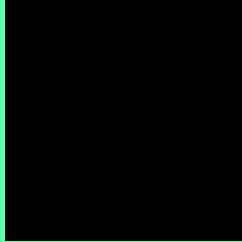
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9260, 0.2740, 0.4405

Background



This preview shows how black text looks on a background with the Yxy color 76.9260, 0.2740, 0.4405.

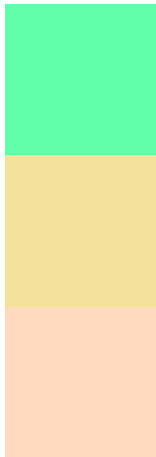


This preview shows how white text looks on a background with the Yxy color 76.9260, 0.2740, 0.4405.

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



Original Color

76.9260, 0.2740, 0.4405

Protanopia

75.3054, 0.3727, 0.4016

Deuteranopia

75.1205, 0.3601, 0.3578



Tritanopia

76.0209, 0.2560, 0.3108

Trichromacy



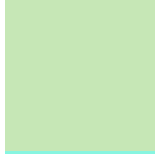
Original Color

76.9260, 0.2740, 0.4405



Protanomaly

73.5113, 0.3276, 0.4176



Deuteranomaly

72.5350, 0.3209, 0.3860



Tritanomaly

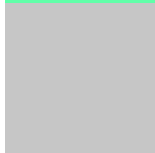
75.8375, 0.2620, 0.3542

Monochromacy



Original Color

76.9260, 0.2740, 0.4405



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.8280, 0.2931, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9260, 0.2740, 0.4405 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(97, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 169)  
}
```

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(97, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 169) }
```

Border

The CSS property to change the border of an element to Yxy 76.9260, 0.2740, 0.4405 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(97, 255, 169) }
```

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

```
.border{ border-color:rgb(97, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9260, 0.2740, 0.4405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 169) }
```

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

```
.background{ background-color: rgb(97, 255,  
169) }
```

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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