

Converting Colors

$Yxy(76.1646, 0.2896, 0.4814)$

Have a look what the booklet for
Yxy(76.1646, 0.2896, 0.4814)
contains.

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Color

Yxy(76.1798, 0.2894, 0.4811)

Conversions

Conversions Part 1

Format	Color
Hex	66FF8A
RGB	102, 255, 138
RGB Percent	40%, 100%, 54%
CMY	0.6001, 0.0000, 0.4587
CMYK	0.60, 0.00, 0.46, 0.00
HSL	134°, 100%, 70%
HSV	134°, 60%, 100%
XYZ	45.8251, 76.1798, 36.3402
YIQ	195.9150, -53.6310, -68.8230

Conversions

Conversions Part 2

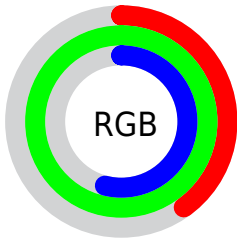
Format	Color
RYB	102, 226, 255
Decimal	6750090
CIELab	89.94, -64.58, 43.93
CIELCh	90, 78.109, 145.777
Yxy	76.1798, 0.2894, 0.4811
Android (android.graphics.Color)	4284940170 (0xFF66FF8A)
YUV	195.9150, -28.5521, -82.3635
Hunter-Lab	87.2810, -59.0242, 36.4108

Details

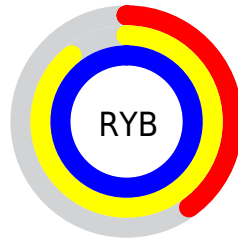
The Yxy color **76.1798, 0.2894, 0.4811** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.8680, 0.3552, 0.2168**, and the grayscale version is **55.3416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3696, 0.2934, 0.4016**, and **40.6689, 0.2793, 0.5218** is the 20% darker color. If you saturate the color by 10%, you get **74.3963, 0.2884, 0.5098**, and if you desaturate by 10%, it is **78.5199, 0.2917, 0.4517**.

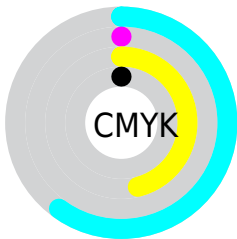
Distribution



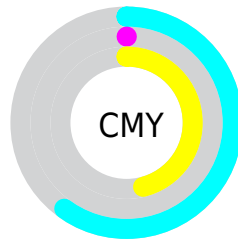
- Red (40%)
- Green (100%)
- Blue (54%)



- Red (40%)
- Yellow (89%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1798, 0.2894, 0.4811 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 76.1798, 0.2894, 0.4811 by changing the saturation by 10% instead.


 76.1798, 0.2894,
0.4811

 76.1798, 0.2894,
0.4811


481.9630, 0.3036,
0.4056


 56.5800, 0.2852,
0.4994

 127.9810, 0.2951,
0.4540

 40.6681, 0.2795,
0.5224


 160.9512, 0.2971,
0.4437

 28.0598, 0.2714,
0.5522


 199.1469, 0.2987,
0.4350

 18.3708, 0.2595,
0.5916

242.9527, 0.3000,
0.4274

 11.2165, 0.2408,
0.6456

292.7527, 0.3012,
0.4209

 6.2127, 0.2111,
0.7260


348.9315, 0.3021,


 2.9748, 0.1492,

0.4152


0.8508


411.8735, 0.3029,
0.4101


 1.1186, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.1798, 0.2894,
0.4811


 76.1798, 0.2894,
0.4811


 74.3963, 0.2884,
0.5098

 78.5199, 0.2917,
0.4517


 73.1245, 0.2888,
0.5363


 81.4637, 0.2950,
0.4229

 72.3051, 0.2906,
0.5588

 85.0486, 0.2990,
0.3959

 71.8470, 0.2934,
0.5764

 89.3101, 0.3035,
0.3710

 94.2811, 0.3081,
0.3487

99.9922, 0.3127,
0.3290

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.



76.1798, 0.3756, 0.4983



76.1798, 0.2894, 0.4811



76.1798, 0.2142, 0.3950

Triad

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



76.1798, 0.2894, 0.4811



76.1798, 0.1803, 0.1970



76.1798, 0.4792, 0.3281

Complementary

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



76.1798, 0.2894, 0.4811



35.8680, 0.3552, 0.2168

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.



76.1798, 0.4099, 0.2689



76.1798, 0.2894, 0.4811



76.1798, 0.2324, 0.1972

Square

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



76.1798, 0.2894, 0.4811



76.1798, 0.1594, 0.2272



76.1798, 0.3147, 0.2226



76.1798, 0.4917, 0.3928

Rectangle

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



76.1798, 0.2894, 0.4811



76.1798, 0.1806, 0.3259



76.1798, 0.3147, 0.2226



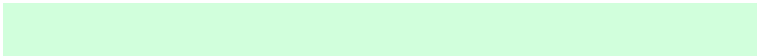
76.1798, 0.4615, 0.3074

Sweetspot

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



76.1784, 0.2894, 0.4811



90.2526, 0.3044, 0.3663



87.5841, 0.3728, 0.4840



19.0281, 0.3031, 0.3732



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.



76.1784, 0.2894, 0.4811



74.1046, 0.2883, 0.5153



79.2077, 0.2557, 0.3793



20.2383, 0.3083, 0.3477



37.5606, 0.2927, 0.5739



3.6732, 0.2870, 0.5532

Inverse Universe

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



35.8680, 0.3552, 0.2168



30.5582, 0.3666, 0.2023



32.7327, 0.4499, 0.2892



18.2229, 0.3174, 0.3110



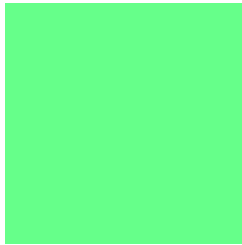
13.1902, 0.3914, 0.1930



1.3011, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 76.1798, 0.2894, 0.4811 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 76.1798, 0.2894, 0.4811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

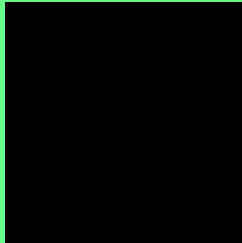
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1798, 0.2894, 0.4811

Background



This preview shows how black text looks on a background with the Yxy color 76.1798, 0.2894, 0.4811.

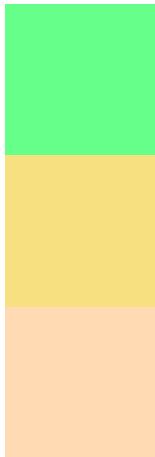


This preview shows how white text looks on a background with the Yxy color 76.1798, 0.2894, 0.4811.

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

76.1798, 0.2894, 0.4811

Protanopia

74.4364, 0.3942, 0.4284

Deuteranopia

74.6575, 0.3681, 0.3692



Tritanopia

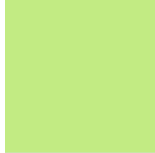
75.3376, 0.2554, 0.3096

Trichromacy



Original Color

76.1798, 0.2894, 0.4811



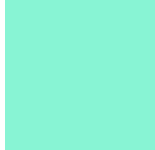
Protanomaly

72.5247, 0.3480, 0.4502



Deuteranomaly

71.9743, 0.3329, 0.4073



Tritanomaly

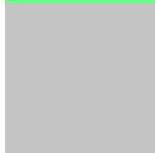
74.6891, 0.2680, 0.3681

Monochromacy



Original Color

76.1798, 0.2894, 0.4811



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.4022, 0.3011, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1798, 0.2894, 0.4811 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(102, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 138)  
}
```

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(102, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 138) }
```

Border

The CSS property to change the border of an element to Yxy 76.1798, 0.2894, 0.4811 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(102, 255, 138) }
```

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

```
.border{ border-color:rgb(102, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1798, 0.2894, 0.4811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 138) }
```

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

```
.background{ background-color: rgb(102,  
255, 138) }
```

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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