

Converting Colors

Yxy(76.4632, 0.2875, 0.4730)

Have a look what the booklet for
Yxy(76.4632, 0.2875, 0.4730)
contains.

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Color

Yxy(76.4767, 0.2876, 0.4730)

Conversions

Conversions Part 1

Format	Color
Hex	68FF90
RGB	104, 255, 144
RGB Percent	41%, 100%, 56%
CMY	0.5923, 0.0000, 0.4352
CMYK	0.59, 0.00, 0.44, 0.00
HSL	136°, 100%, 70%
HSV	136°, 59%, 100%
XYZ	46.5004, 76.4767, 38.7072
YIQ	197.1970, -54.3650, -66.5330

Conversions

Conversions Part 2

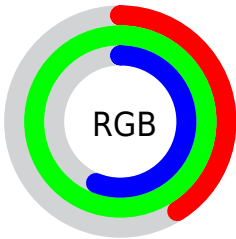
Format	Color
RYB	104, 223, 255
Decimal	6881168
CIELab	90.08, -63.26, 41.22
CIELCh	90, 75.503, 146.914
Yxy	76.4767, 0.2876, 0.4730
Android (android.graphics.Color)	4285071248 (0xFF68FF90)
YUV	197.1970, -26.2261, -81.7338
Hunter-Lab	87.4510, -58.1251, 34.9729

Details

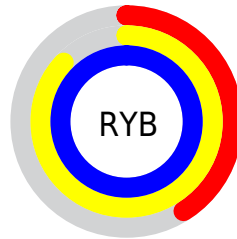
The Yxy color **76.4767, 0.2876, 0.4730** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.0534, 0.3594, 0.2217**, and the grayscale version is **56.1388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7505, 0.2908, 0.3941**, and **40.8437, 0.2776, 0.5115** is the 20% darker color. If you saturate the color by 10%, you get **74.6472, 0.2864, 0.5011**, and if you desaturate by 10%, it is **78.8586, 0.2902, 0.4446**.

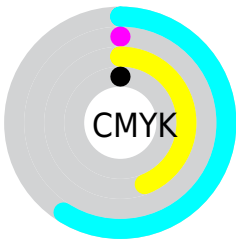
Distribution



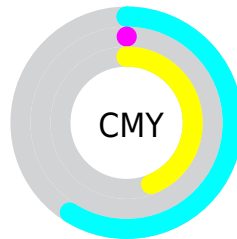
- Red (41%)
- Green (100%)
- Blue (56%)



- Red (41%)
- Yellow (87%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4767, 0.2876, 0.4730 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 76.4767, 0.2876, 0.4730 by changing the saturation by 10% instead.


 76.4767, 0.2876,
0.4730


 76.4767, 0.2876,
0.4730


482.9780, 0.3023,
0.4016


 56.8235, 0.2834,
0.4903


 128.4005, 0.2933,
0.4474

 40.8635, 0.2778,
0.5121


 161.4399, 0.2954,
0.4377

 28.2125, 0.2700,
0.5403


 199.7102, 0.2971,
0.4294

 18.4859, 0.2585,
0.5779

243.5957, 0.2985,
0.4223

 11.2994, 0.2409,
0.6297

293.4808, 0.2996,
0.4161

 6.2686, 0.2119,
0.7044


349.7500, 0.3007,


 3.0091, 0.1589,

0.4107

0.8411

412.7876, 0.3015,
0.4059


 1.1365, 0.0000,
1.0000


 0.0089, 0.0000,
1.0000

 76.4767, 0.2876,
0.4730

 76.4767, 0.2876,
0.4730

 74.6472, 0.2864,
0.5011


 78.8586, 0.2902,
0.4446

 73.3280, 0.2867,
0.5274


 81.8406, 0.2938,
0.4170


 72.4610, 0.2885,
0.5505

 85.4587, 0.2982,
0.3912

 71.9634, 0.2916,
0.5692

 89.7478, 0.3030,
0.3676

 71.9332, 0.2918,
0.5705

 94.7398, 0.3081,
0.3464

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.



76.4767, 0.3713, 0.4932



76.4767, 0.2876, 0.4730



76.4767, 0.2153, 0.3889

Triad

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



76.4767, 0.2876, 0.4730



76.4767, 0.1854, 0.2003



76.4767, 0.4751, 0.3311

Complementary

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



76.4767, 0.2876, 0.4730



36.0534, 0.3594, 0.2217

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.



76.4767, 0.4099, 0.2728



76.4767, 0.2876, 0.4730



76.4767, 0.2375, 0.2013

Square

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



76.4767, 0.2876, 0.4730



76.4767, 0.1638, 0.2288



76.4767, 0.3183, 0.2270



76.4767, 0.4855, 0.3943

Rectangle

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



76.4767, 0.2876, 0.4730



76.4767, 0.1832, 0.3228



76.4767, 0.3183, 0.2270



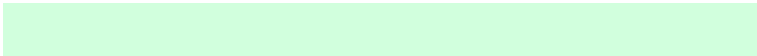
76.4767, 0.4587, 0.3108

Sweetspot

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



76.4748, 0.2876, 0.4730



90.3252, 0.3036, 0.3648



87.3068, 0.3705, 0.4833



19.0456, 0.3022, 0.3714



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.



76.4748, 0.2876, 0.4730



74.3787, 0.2863, 0.5059



79.4824, 0.2550, 0.3753



20.2473, 0.3079, 0.3469



37.6075, 0.2911, 0.5678



3.6789, 0.2851, 0.5463

Inverse Universe

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



36.0534, 0.3594, 0.2217



30.6540, 0.3722, 0.2076



33.0955, 0.4505, 0.2921



18.2132, 0.3179, 0.3117



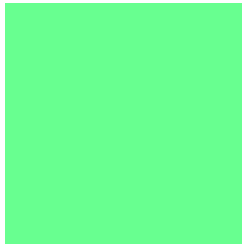
13.0172, 0.4020, 0.1988



1.2855, 0.3906, 0.1926

Previews

White Background



This preview shows how the Yxy color 76.4767, 0.2876, 0.4730 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 76.4767, 0.2876, 0.4730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

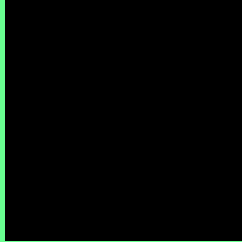
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

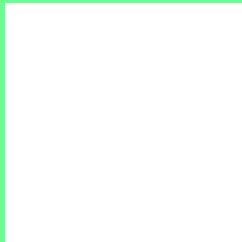
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4767, 0.2876, 0.4730

Background



This preview shows how black text looks on a background with the Yxy color 76.4767, 0.2876, 0.4730.

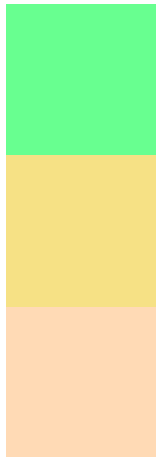


This preview shows how white text looks on a background with the Yxy color 76.4767, 0.2876, 0.4730.

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

76.4767, 0.2876, 0.4730

Protanopia

75.1367, 0.3900, 0.4237

Deuteranopia

74.7390, 0.3667, 0.3671



Tritanopia

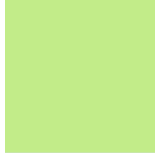
76.0209, 0.2560, 0.3108

Trichromacy



Original Color

76.4767, 0.2876, 0.4730



Protanomaly

73.2664, 0.3443, 0.4445



Deuteranomaly

72.2583, 0.3311, 0.4024



Tritanomaly

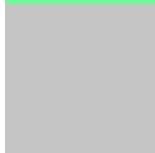
75.5295, 0.2672, 0.3654

Monochromacy



Original Color

76.4767, 0.2876, 0.4730



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.1437, 0.2999, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4767, 0.2876, 0.4730 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(104, 255, 144)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 144)  
}
```

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(104, 255, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 144) }
```

Border

The CSS property to change the border of an element to Yxy 76.4767, 0.2876, 0.4730 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(104, 255, 144) }
```

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

```
.border{ border-color:rgb(104, 255, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4767, 0.2876, 0.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 144) }
```

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

```
.background{ background-color: rgb(104,  
255, 144) }
```

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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