

Converting Colors

$Yxy(75.7521, 0.2948, 0.4875)$

Have a look what the booklet for
Yxy(75.7521, 0.2948, 0.4875)
contains.

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Color

Yxy(75.7105, 0.2948, 0.4881)

Conversions

Conversions Part 1

Format	Color
Hex	6CFE83
RGB	108, 254, 131
RGB Percent	42%, 100%, 51%
CMY	0.5763, 0.0039, 0.4863
CMYK	0.57, 0.00, 0.48, 0.00
HSL	129°, 99%, 71%
HSV	129°, 57%, 100%
XYZ	45.7272, 75.7105, 33.6750
YIQ	196.3240, -47.5330, -69.2050

Conversions

Conversions Part 2

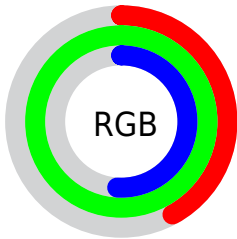
Format	Color
RYB	108, 234, 254
Decimal	7143043
CIELab	89.72, -63.92, 47.03
CIELCh	90, 79.362, 143.657
Yxy	75.7105, 0.2948, 0.4881
Android (android.graphics.Color)	4285333123 (0xFF6CFE83)
YUV	196.3240, -32.2047, -77.4601
Hunter-Lab	87.0118, -58.4637, 37.9621

Details

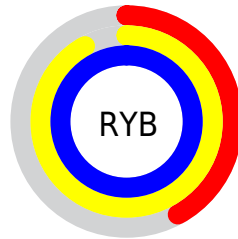
The Yxy color **75.7105, 0.2948, 0.4881** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.5792, 0.3410, 0.2112**, and the grayscale version is **55.6344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6112, 0.2997, 0.4095**, and **40.3059, 0.2856, 0.5317** is the 20% darker color. If you saturate the color by 10%, you get **73.8237, 0.2936, 0.5189**, and if you desaturate by 10%, it is **78.1873, 0.2970, 0.4563**.

Distribution



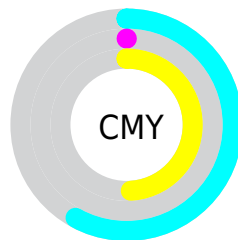
- Red (42%)
- Green (100%)
- Blue (51%)



- Red (42%)
- Yellow (92%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7105, 0.2948, 0.4881 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 75.7105, 0.2948, 0.4881 by changing the saturation by 10% instead.

 75.7105, 0.2948,
0.4881


 75.7105, 0.2948,
0.4881


480.3561, 0.3070,
0.4091


 56.1952, 0.2909,
0.5072


 127.3176, 0.2999,
0.4598

 40.3594, 0.2855,
0.5312


 160.1781, 0.3016,
0.4490

 27.8189, 0.2778,
0.5620


 198.2559, 0.3030,
0.4398

 18.1892, 0.2660,
0.6027


241.9352, 0.3041,
0.4320

 11.0859, 0.2471,
0.6577

291.6005, 0.3050,
0.4251

 6.1246, 0.2186,
0.7455


347.6361, 0.3058,

 2.9210, 0.1499,


0.4191


0.8501


410.4265, 0.3064,
0.4138


 1.0906, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.7105, 0.2948,
0.4881


 75.7105, 0.2948,
0.4881


 73.8237, 0.2936,
0.5189


 78.1873, 0.2970,
0.4563

 72.4685, 0.2935,
0.5466

 81.2880, 0.2998,
0.4251

 71.5909, 0.2945,
0.5692

 85.0550, 0.3031,
0.3957

 71.1176, 0.2964,
0.5855

 89.5243, 0.3066,
0.3689

 71.0364, 0.2968,
0.5886

 94.7293, 0.3101,
0.3450

99.3636, 0.3128,
0.3281

Harmonies

Analogous

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



75.7105, 0.3821, 0.4996



75.7105, 0.2948, 0.4881



75.7105, 0.2170, 0.4038

Triad

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



75.7105, 0.2948, 0.4881



75.7105, 0.1759, 0.1961



75.7105, 0.4789, 0.3232

Complementary

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



75.7105, 0.2948, 0.4881



37.5792, 0.3410, 0.2112

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.



75.7105, 0.4051, 0.2640



75.7105, 0.2948, 0.4881



75.7105, 0.2263, 0.1944

Square

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



75.7105, 0.2948, 0.4881



75.7105, 0.1569, 0.2289



75.7105, 0.3079, 0.2185



75.7105, 0.4957, 0.3885

Rectangle

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



75.7105, 0.2948, 0.4881



75.7105, 0.1813, 0.3327



75.7105, 0.3079, 0.2185



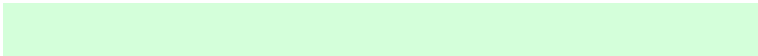
75.7105, 0.4596, 0.3025

Sweetspot

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



75.7136, 0.2948, 0.4881



90.5515, 0.3067, 0.3678



89.1412, 0.3796, 0.4735



19.1738, 0.3060, 0.3729



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.



75.7136, 0.2948, 0.4881



74.2400, 0.2935, 0.5234



78.3828, 0.2625, 0.3927



20.2147, 0.3094, 0.3496



37.4648, 0.2963, 0.5867



3.6606, 0.2915, 0.5693

Inverse Universe

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



37.5792, 0.3410, 0.2112



32.4237, 0.3481, 0.1947



34.3146, 0.4250, 0.2778



18.2484, 0.3162, 0.3092



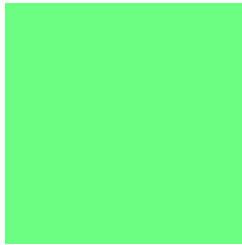
13.6883, 0.3653, 0.1786



1.3454, 0.3594, 0.1753

Previews

White Background



This preview shows how the Yxy color 75.7105, 0.2948, 0.4881 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 75.7105, 0.2948, 0.4881 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 75.7105, 0.2948, 0.4881

Background



This preview shows how black text looks on a background with the Yxy color 75.7105, 0.2948, 0.4881.

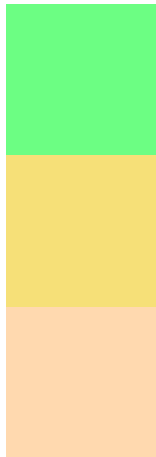


This preview shows how white text looks on a background with the Yxy color 75.7105, 0.2948, 0.4881.

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

75.7105, 0.2948, 0.4881

Protanopia

74.2602, 0.3984, 0.4347

Deuteranopia

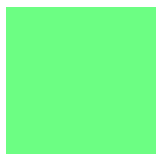
73.9809, 0.3713, 0.3723



Tritanopia

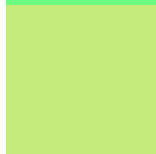
75.2391, 0.2549, 0.3096

Trichromacy



Original Color

75.7105, 0.2948, 0.4881



Protanomaly

72.6077, 0.3532, 0.4571



Deuteranomaly

71.6534, 0.3384, 0.4116



Tritanomaly

74.6729, 0.2695, 0.3706

Monochromacy



Original Color

75.7105, 0.2948, 0.4881



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.4968, 0.3044, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7105, 0.2948, 0.4881 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(108, 254, 131)` looks like.

```
.text, #text, p{  
    color:rgb(108, 254, 131)  
}
```

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(108, 254, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 254, 131) }
```

Border

The CSS property to change the border of an element to Yxy 75.7105, 0.2948, 0.4881 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(108, 254, 131) }
```

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

```
.border{ border-color:rgb(108, 254, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 254, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 254, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 254, 131);  
box-shadow:4px 4px 4px 4px rgb(108, 254,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7105, 0.2948, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 254, 131) }
```

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

```
.background{ background-color: rgb(108,  
254, 131) }
```

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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