

Converting Colors

$Yxy(77.3235, 0.3006, 0.4848)$

Have a look what the booklet for
Yxy(77.3235, 0.3006, 0.4848)
contains.

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Color

Yxy(77.3235, 0.3006, 0.4848)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7AFF84 |
| RGB | 122, 255, 132 |
| RGB Percent | 48%, 100%, 52% |
| CMY | 0.5218, 0.0000, 0.4823 |
| CMYK | 0.52, 0.00, 0.48, 0.00 |
| HSL | 125°, 100%, 74% |
| HSV | 125°, 52%, 100% |
| XYZ | 47.9444, 77.3235, 34.2278 |
| YIQ | 201.2110, -39.7850, -66.4490 |

Conversions

Conversions Part 2

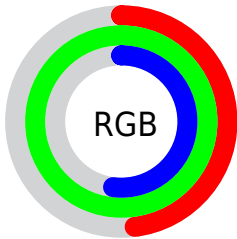
| Format | Color |
|-------------------------------------|--|
| RYB | 122, 246, 255 |
| Decimal | 8060804 |
| CIELab | 90.47, -60.91, 47.58 |
| CIElCh | 90, 77.288, 142.002 |
| Yxy | 77.3235, 0.3006, 0.4848 |
| Android (android.graphics.Color) | 4286250884 (0xFF7AFF84) |
| YUV | 201.2110, -34.1210, -69.4680 |
| Hunter-Lab | 87.9338, -56.5600, 38.4753 |

Details

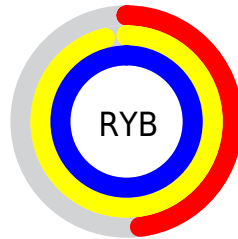
The Yxy color **77.3235, 0.3006, 0.4848** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **41.7528, 0.3276, 0.2115**, and the grayscale version is **58.7685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0529, 0.3061, 0.4067**, and **41.3378, 0.2931, 0.5265** is the 20% darker color. If you saturate the color by 10%, you get **75.1226, 0.2990, 0.5181**, and if you desaturate by 10%, it is **80.1497, 0.3027, 0.4506**.

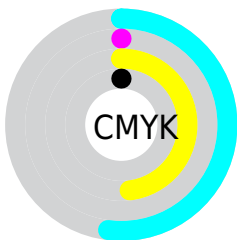
Distribution



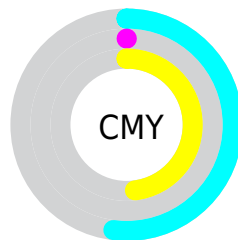
- Red (48%)
- Green (100%)
- Blue (52%)



- Red (48%)
- Yellow (96%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3235, 0.3006, 0.4848 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 77.3235, 0.3006, 0.4848 by changing the saturation by 10% instead.


 77.3235, 0.3006,
0.4848


 77.3235, 0.3006,
0.4848


485.8663, 0.3100,
0.4080

 57.5184, 0.2974,
0.5032


 129.5960, 0.3047,
0.4574

 41.4216, 0.2929,
0.5263


 162.8323, 0.3060,
0.4469

 28.6487, 0.2862,
0.5558


 201.3144, 0.3071,
0.4380

 18.8152, 0.2759,
0.5946

245.4267, 0.3079,
0.4303

 11.5368, 0.2591,
0.6468

295.5537, 0.3086,
0.4236

 6.4291, 0.2331,
0.7277


352.0797, 0.3091,


 3.1077, 0.1767,


0.4178


0.8233

415.3891, 0.3096,
0.4126

 1.1882, 0.0000,
1.0000


 0.0521, 0.0000,
1.0000

 77.3235, 0.3006,
0.4848


 77.3235, 0.3006,
0.4848


 75.1226, 0.2990,
0.5181


 80.1497, 0.3027,
0.4506


 73.5110, 0.2981,
0.5480


 83.6579, 0.3050,
0.4174


 72.4280, 0.2979,
0.5722

 87.8839, 0.3074,
0.3865

 71.8062, 0.2984,
0.5888

 92.8645, 0.3099,
0.3586

 71.5680, 0.2990,
0.5964

 98.6339, 0.3122,
0.3339

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.



77.3235, 0.3854, 0.4930



77.3235, 0.3006, 0.4848



77.3235, 0.2237, 0.4068

Triad

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



77.3235, 0.3006, 0.4848



77.3235, 0.1777, 0.2007



77.3235, 0.4709, 0.3206

Complementary

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



77.3235, 0.3006, 0.4848



41.7528, 0.3276, 0.2115

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.



77.3235, 0.3972, 0.2631



77.3235, 0.3006, 0.4848



77.3235, 0.2253, 0.1973

Square

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



77.3235, 0.3006, 0.4848



77.3235, 0.1608, 0.2349



77.3235, 0.3032, 0.2195



77.3235, 0.4910, 0.3842

Rectangle

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



77.3235, 0.3006, 0.4848



77.3235, 0.1875, 0.3385



77.3235, 0.3032, 0.2195



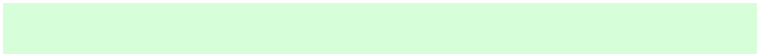
77.3235, 0.4511, 0.3004

Sweetspot

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



77.3192, 0.3006, 0.4848



90.8709, 0.3090, 0.3689



92.5399, 0.3827, 0.4580



19.2302, 0.3085, 0.3746



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.



77.3192, 0.3006, 0.4848



74.9693, 0.2989, 0.5207



79.7000, 0.2706, 0.4002



20.1904, 0.3105, 0.3517



37.4037, 0.2987, 0.5953



3.6492, 0.2958, 0.5848

Inverse Universe

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



41.7528, 0.3276, 0.2115



35.7898, 0.3310, 0.1929



38.4431, 0.3964, 0.2703



18.2753, 0.3150, 0.3073



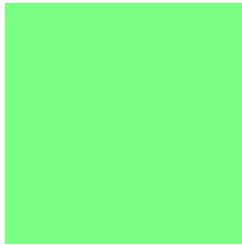
14.2746, 0.3409, 0.1652



1.3966, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 77.3235, 0.3006, 0.4848 looks on a white background.

Color Contrast Check

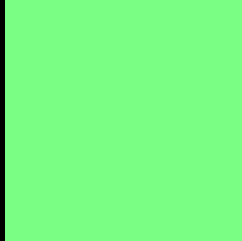
Large Text (above 18pt) WCAG AA × Fail

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 77.3235, 0.3006, 0.4848 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

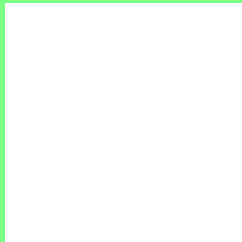
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3235, 0.3006, 0.4848

Background



This preview shows how black text looks on a background with the Yxy color 77.3235, 0.3006, 0.4848.



This preview shows how white text looks on a background with the Yxy color 77.3235, 0.3006, 0.4848.

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

77.3235, 0.3006, 0.4848

Protanopia

75.9376, 0.3985, 0.4337

Deuteranopia

75.8238, 0.3654, 0.3680



Tritanopia

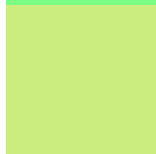
76.4761, 0.2607, 0.3099

Trichromacy



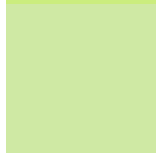
Original Color

77.3235, 0.3006, 0.4848



Protanomaly

74.7712, 0.3566, 0.4545



Deuteranomaly

74.2236, 0.3383, 0.4078



Tritanomaly

75.8385, 0.2759, 0.3699

Monochromacy



Original Color

77.3235, 0.3006, 0.4848



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.6181, 0.3073, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3235, 0.3006, 0.4848 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(122, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 132)  
}
```

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(122, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 132) }
```

Border

The CSS property to change the border of an element to Yxy 77.3235, 0.3006, 0.4848 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(122, 255, 132) }
```

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

```
.border{ border-color:rgb(122, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3235, 0.3006, 0.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 132) }
```

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

```
.background{ background-color: rgb(122,  
255, 132) }
```

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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