

Converting Colors

$Yxy(77.2938, 0.3018, 0.4873)$

Have a look what the booklet for
Yxy(77.2938, 0.3018, 0.4873)
contains.

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Color

Yxy(77.2693, 0.3015, 0.4872)

Conversions

Conversions Part 1

Format	Color
Hex	7AFF82
RGB	122, 255, 130
RGB Percent	48%, 100%, 51%
CMY	0.5215, 0.0000, 0.4902
CMYK	0.52, 0.00, 0.49, 0.00
HSL	124°, 100%, 74%
HSV	124°, 52%, 100%
XYZ	47.8175, 77.2693, 33.5119
YIQ	200.9830, -39.1430, -67.0710

Conversions

Conversions Part 2

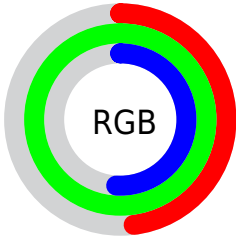
Format	Color
RYB	122, 247, 255
Decimal	8060802
CIELab	90.45, -61.15, 48.49
CIElCh	90, 78.044, 141.585
Yxy	77.2693, 0.3015, 0.4872
Android (android.graphics.Color)	4286250882 (0xFF7AFF82)
YUV	200.9830, -34.9946, -69.2681
Hunter-Lab	87.9030, -56.7296, 38.9285

Details

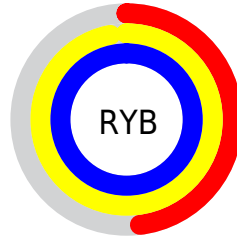
The Yxy color **77.2693, 0.3015, 0.4872** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **41.9019, 0.3257, 0.2100**, and the grayscale version is **58.6409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9679, 0.3072, 0.4091**, and **41.3091, 0.2939, 0.5294** is the 20% darker color. If you saturate the color by 10%, you get **75.0765, 0.2999, 0.5207**, and if you desaturate by 10%, it is **80.1037, 0.3035, 0.4525**.

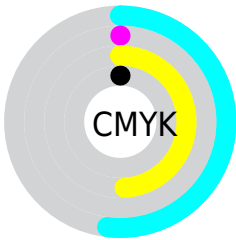
Distribution



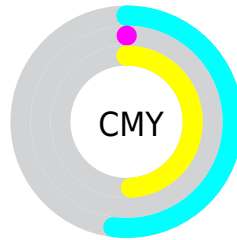
- Red (48%)
- Green (100%)
- Blue (51%)



- Red (48%)
- Yellow (97%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2693, 0.3015, 0.4872 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 77.2693, 0.3015, 0.4872 by changing the saturation by 10% instead.


 77.2693, 0.3015,
0.4872


 77.2693, 0.3015,
0.4872


485.6817, 0.3106,
0.4092


 57.4739, 0.2983,
0.5059


 129.5196, 0.3055,
0.4594

 41.3859, 0.2938,
0.5293


 162.7432, 0.3068,
0.4487

 28.6207, 0.2871,
0.5592


 201.2118, 0.3078,
0.4397

 18.7941, 0.2767,
0.5984

245.3096, 0.3086,
0.4319

 11.5216, 0.2596,
0.6509

295.4211, 0.3093,
0.4251

 6.4188, 0.2338,
0.7342


351.9307, 0.3098,


 3.1014, 0.1752,

0.4191


0.8248

415.2228, 0.3102,
0.4139


 1.1849, 0.0000,
1.0000


 0.0493, 0.0000,
1.0000


 77.2693, 0.3015,
0.4872


 77.2693, 0.3015,
0.4872

 75.0765, 0.2999,
0.5207


 80.1037, 0.3035,
0.4525

 73.4706, 0.2989,
0.5506


 83.6189, 0.3057,
0.4188


 72.3962, 0.2986,
0.5744

 87.8572, 0.3079,
0.3874

 71.7851, 0.2989,
0.5904

 92.8556, 0.3102,
0.3590

 71.5553, 0.2993,
0.5973

 98.6490, 0.3123,
0.3340

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.



77.2693, 0.3869, 0.4942



77.2693, 0.3015, 0.4872



77.2693, 0.2237, 0.4090

Triad

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



77.2693, 0.3015, 0.4872



77.2693, 0.1761, 0.1999



77.2693, 0.4717, 0.3195

Complementary

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



77.2693, 0.3015, 0.4872



41.9019, 0.3257, 0.2100

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.



77.2693, 0.3967, 0.2617



77.2693, 0.3015, 0.4872



77.2693, 0.2236, 0.1961

Square

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



77.2693, 0.3015, 0.4872



77.2693, 0.1596, 0.2347



77.2693, 0.3018, 0.2182



77.2693, 0.4927, 0.3835

Rectangle

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



77.2693, 0.3015, 0.4872



77.2693, 0.1870, 0.3399



77.2693, 0.3018, 0.2182



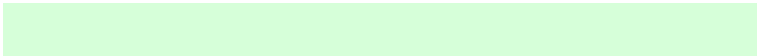
77.2693, 0.4516, 0.2992

Sweetspot

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



77.2710, 0.3015, 0.4872



90.8377, 0.3093, 0.3696



92.9465, 0.3842, 0.4572



19.2224, 0.3089, 0.3754



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.



77.2710, 0.3015, 0.4872



74.9174, 0.2998, 0.5235



79.6067, 0.2716, 0.4030



20.1858, 0.3107, 0.3521



37.3960, 0.2990, 0.5964



3.6470, 0.2966, 0.5878

Inverse Universe

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



41.9019, 0.3257, 0.2100



35.9427, 0.3286, 0.1911



38.5567, 0.3937, 0.2681



18.2805, 0.3147, 0.3070



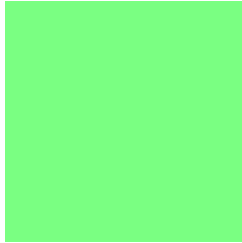
14.3951, 0.3366, 0.1628



1.4071, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 77.2693, 0.3015, 0.4872 looks on a white background.

Color Contrast Check

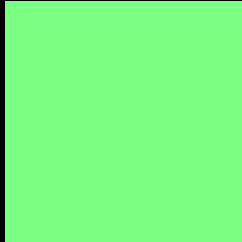
Large Text (above 18pt) WCAG AA × Fail

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 77.2693, 0.3015, 0.4872 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

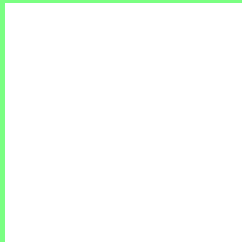
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2693, 0.3015, 0.4872

Background



This preview shows how black text looks on a background with the Yxy color 77.2693, 0.3015, 0.4872.

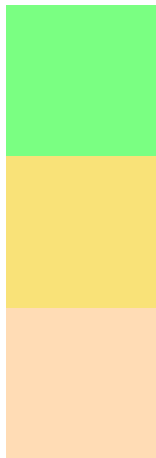


This preview shows how white text looks on a background with the Yxy color 77.2693, 0.3015, 0.4872.

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

77.2693, 0.3015, 0.4872

Protanopia

75.8885, 0.3996, 0.4354

Deuteranopia

75.7826, 0.3661, 0.3691



Tritanopia

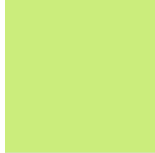
76.4761, 0.2607, 0.3099

Trichromacy



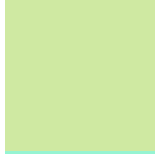
Original Color

77.2693, 0.3015, 0.4872



Protanomaly

74.7201, 0.3577, 0.4565



Deuteranomaly

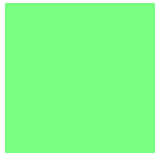
74.1519, 0.3396, 0.4101



Tritanomaly

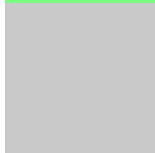
75.8385, 0.2759, 0.3699

Monochromacy



Original Color

77.2693, 0.3015, 0.4872



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.5787, 0.3079, 0.3869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2693, 0.3015, 0.4872 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 130) }
```

Border

The CSS property to change the border of an element to Yxy 77.2693, 0.3015, 0.4872 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, 130) }
```

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

```
.border{ border-color:rgb(122, 255, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2693, 0.3015, 0.4872 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, 130) }
```

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

```
.background{ background-color: rgb(122,  
255, 130) }
```

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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