

Converting Colors

$Y_{xy}(122.6058, 0.3074, 0.5323)$

Have a look what the booklet for
Yxy(122.6058, 0.3074, 0.5323)
contains.

Yxy(77.6533, 0.3109, 0.4990)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.6533, 0.3109, 0.4990)

Conversions

Conversions Part 1

Format	Color
Hex	83FF76
RGB	131, 255, 118
RGB Percent	51%, 100%, 46%
CMY	0.4866, 0.0000, 0.5372
CMYK	0.49, 0.00, 0.54, 0.00
HSL	114°, 100%, 73%
HSV	114°, 54%, 100%
XYZ	48.3816, 77.6533, 29.5830
YIQ	202.3060, -29.9270, -68.8950

Conversions

Conversions Part 2

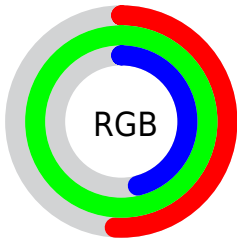
Format	Color
RYB	118, 255, 242
Decimal	8650614
CIELab	90.62, -60.35, 54.29
CIELCh	91, 81.179, 138.024
Yxy	77.6533, 0.3109, 0.4990
Android (android.graphics.Color)	4286840694 (0xFF83FF76)
YUV	202.3060, -41.5629, -62.5354
Hunter-Lab	88.1211, -56.2092, 41.7807

Details

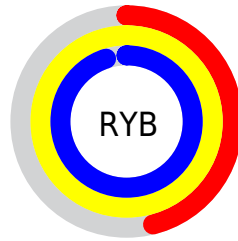
The Yxy color **77.6533, 0.3109, 0.4990** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **39.0762, 0.3072, 0.1962**, and the grayscale version is **59.5276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6135, 0.3191, 0.4216**, and **41.5316, 0.3045, 0.5433** is the 20% darker color. If you saturate the color by 10%, you get **75.4788, 0.3093, 0.5321**, and if you desaturate by 10%, it is **80.3908, 0.3120, 0.4638**.

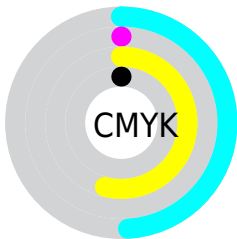
Distribution



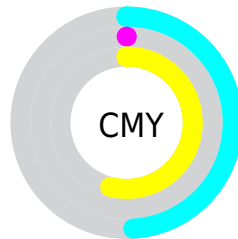
- Red (51%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (95%)



- Cyan (49%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6533, 0.3109, 0.4990 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 77.6533, 0.3109, 0.4990 by changing the saturation by 10% instead.


 77.6533, 0.3109,
0.4990

 77.6533, 0.3109,
0.4990


486.9886, 0.3164,
0.4155

 57.7892, 0.3083,
0.5187


 130.0613, 0.3139,
0.4694

 41.6392, 0.3043,
0.5432

 163.3739, 0.3147,
0.4580

 28.8189, 0.2980,
0.5743


 201.9383, 0.3153,
0.4483

 18.9439, 0.2877,
0.6143

246.1387, 0.3157,
0.4400

 11.6297, 0.2701,
0.6664

296.3595, 0.3160,
0.4327

 6.4921, 0.2456,
0.7544


352.9852, 0.3162,


 3.1465, 0.1813,


0.4263


0.8187


416.4001, 0.3164,
0.4206


 1.2087, 0.0000,
1.0000


 0.0688, 0.0000,
1.0000

 77.6533, 0.3109,
0.4990


 77.6533, 0.3109,
0.4990

 75.4788, 0.3093,
0.5321


 80.3908, 0.3120,
0.4638


 73.8439, 0.3073,
0.5604


 83.7462, 0.3127,
0.4288


 72.6958, 0.3051,
0.5816

 87.7475, 0.3130,
0.3956

 71.9796, 0.3028,
0.5944

 92.4262, 0.3130,
0.3653

 71.7144, 0.3017,
0.5987

 97.8118, 0.3128,
0.3382

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.



77.6533, 0.3984, 0.4962



77.6533, 0.3109, 0.4990



77.6533, 0.2285, 0.4248

Triad

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



77.6533, 0.3109, 0.4990



77.6533, 0.1684, 0.1981



77.6533, 0.4710, 0.3110

Complementary

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



77.6533, 0.3109, 0.4990



39.0762, 0.3072, 0.1962

Split Complementary

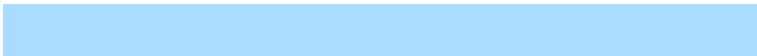
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6533, 0.3882, 0.2532



77.6533, 0.3109, 0.4990



77.6533, 0.2131, 0.1911

Square

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



77.6533, 0.3109, 0.4990



77.6533, 0.1551, 0.2379



77.6533, 0.2902, 0.2108



77.6533, 0.4998, 0.3761

Rectangle

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



77.6533, 0.3109, 0.4990



77.6533, 0.1882, 0.3525



77.6533, 0.2902, 0.2108



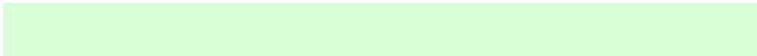
77.6533, 0.4480, 0.2906

Sweetspot

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



77.6474, 0.3109, 0.4990



91.2973, 0.3131, 0.3719



85.6580, 0.3974, 0.4476



19.3301, 0.3131, 0.3781



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.



77.6474, 0.3109, 0.4990



75.4256, 0.3093, 0.5330



78.3827, 0.2804, 0.4330



20.2499, 0.3130, 0.3535



37.4995, 0.3021, 0.5983



3.6774, 0.3065, 0.5949

Inverse Universe

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



39.0762, 0.3072, 0.1962



33.3002, 0.3052, 0.1762



38.4012, 0.3736, 0.2467



18.2083, 0.3123, 0.3055



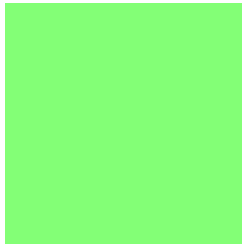
12.6840, 0.2973, 0.1411



1.2593, 0.3001, 0.1427

Previews

White Background



This preview shows how the Yxy color 77.6533, 0.3109, 0.4990 looks on a white background.

Color Contrast Check

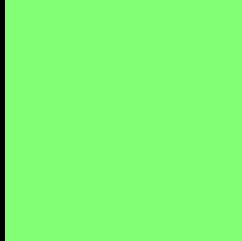
Large Text (above 18pt) WCAG AA × Fail

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 77.6533, 0.3109, 0.4990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

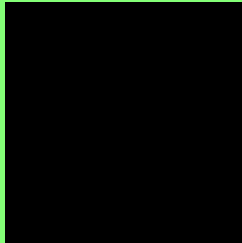
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6533, 0.3109, 0.4990

Background



This preview shows how black text looks on a background with the Yxy color 77.6533, 0.3109, 0.4990.

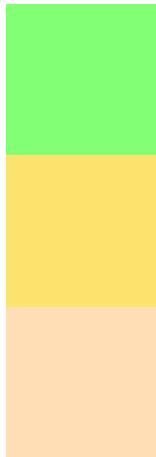


This preview shows how white text looks on a background with the Yxy color 77.6533, 0.3109, 0.4990.

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

77.6533, 0.3109, 0.4990

Protanopia

76.5515, 0.4068, 0.4448

Deuteranopia

76.3091, 0.3658, 0.3700



Tritanopia

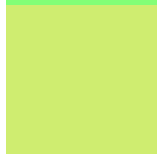
77.0270, 0.2633, 0.3100

Trichromacy



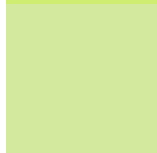
Original Color

77.6533, 0.3109, 0.4990



Protanomaly

75.0036, 0.3669, 0.4669



Deuteranomaly

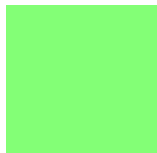
74.4481, 0.3442, 0.4141



Tritanomaly

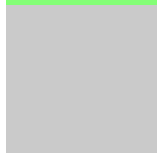
76.1771, 0.2816, 0.3758

Monochromacy



Original Color

77.6533, 0.3109, 0.4990



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.8833, 0.3133, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6533, 0.3109, 0.4990 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(131, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 118)  
}
```

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(131, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 118) }
```

Border

The CSS property to change the border of an element to Yxy 77.6533, 0.3109, 0.4990 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(131, 255, 118) }
```

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

```
.border{ border-color:rgb(131, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6533, 0.3109, 0.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 118) }
```

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

```
.background{ background-color: rgb(131,  
255, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor