

# Converting Colors

Yxy(77.2154, 0.3179, 0.5187)

Have a look what the booklet for  
Yxy(77.2154, 0.3179, 0.5187)  
contains.

<b>Yxy(77.2461, 0.3183, 0.5190)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(77.2461, 0.3183, 0.5190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83FF63
RGB	131, 255, 99
RGB Percent	51%, 100%, 39%
CMY	0.4862, 0.0000, 0.6118
CMYK	0.49, 0.00, 0.61, 0.00
HSL	108°, 100%, 69%
HSV	108°, 61%, 100%
XYZ	47.3746, 77.2461, 24.2157
YIQ	200.1400, -23.8280, -74.8040

# Conversions

## Conversions Part 2

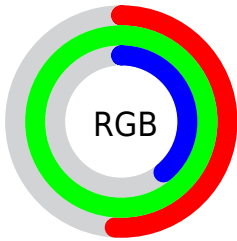
Format	Color
R <sub>Y</sub> B	99, 255, 223
Decimal	8650595
CIE Lab	90.43, -62.34, 62.33
CIE LCh	90, 88.155, 135.000
Yxy	77.2461, 0.3183, 0.5190
Android (android.graphics.Color)	4286840675 (0xFF83FF63)
YUV	200.1400, -49.8620, -60.6358
Hunter-Lab	87.8898, -57.5914, 45.1871

# Details

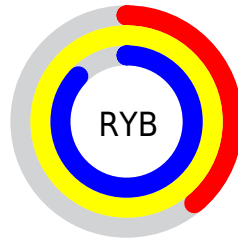
The Yxy color **77.2461, 0.3183, 0.5190** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **31.8270, 0.2897, 0.1742**, and the grayscale version is **58.1779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9629, 0.3286, 0.4420**, and **41.2859, 0.3114, 0.5668** is the 20% darker color. If you saturate the color by 10%, you get **75.3716, 0.3163, 0.5481**, and if you desaturate by 10%, it is **79.5949, 0.3192, 0.4863**.

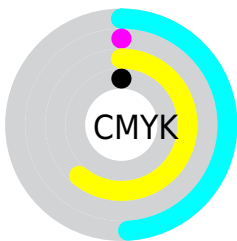
# Distribution



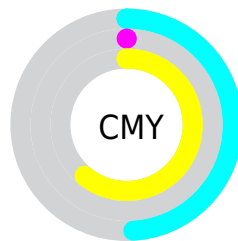
- Red (51%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (87%)



- Cyan (49%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2461, 0.3183, 0.5190 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 77.2461, 0.3183, 0.5190 by changing the saturation by 10% instead.





 77.2461, 0.3183,  
0.5190


 77.2461, 0.3183,  
0.5190

485.6027, 0.3219,  
0.4261


 57.4549, 0.3156,  
0.5406


 129.4868, 0.3210,  
0.4862

 41.3706, 0.3112,  
0.5672


 162.7051, 0.3216,  
0.4736

 28.6087, 0.3041,  
0.6003


 201.1679, 0.3220,  
0.4628

 18.7850, 0.2921,  
0.6418

 245.2595, 0.3222,  
0.4534

 11.5151, 0.2723,  
0.6965

295.3644, 0.3222,  
0.4453

 6.4144, 0.2368,  
0.7632


351.8670, 0.3222,


 3.0987, 0.1686,


0.4381


0.8314


415.1516, 0.3221,  
0.4317


 1.1835, 0.0000,  
1.0000


 0.0481, 0.0000,  
1.0000


 77.2461, 0.3183,  
0.5190


 77.2461, 0.3183,  
0.5190


 75.3716, 0.3163,  
0.5481


 79.5949, 0.3192,  
0.4863


 73.9319, 0.3134,  
0.5713


 82.4422, 0.3191,  
0.4522

 72.8905, 0.3097,  
0.5870

 85.8176, 0.3182,  
0.4186

 72.2594, 0.3063,  
0.5950

 89.7465, 0.3168,  
0.3870

 94.2526, 0.3150,  
0.3579

 99.3584, 0.3130,  
0.3319

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.



77.2461, 0.4112, 0.5042



77.2461, 0.3183, 0.5190



77.2461, 0.2287, 0.4455

# Triad

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



77.2461, 0.3183, 0.5190



77.2461, 0.1559, 0.1911



77.2461, 0.4778, 0.3016

# Complementary

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



77.2461, 0.3183, 0.5190



31.8270, 0.2897, 0.1742

# 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.



77.2461, 0.3834, 0.2420



77.2461, 0.3183, 0.5190



77.2461, 0.1993, 0.1813

# Square

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



77.2461, 0.3183, 0.5190



77.2461, 0.1449, 0.2363



77.2461, 0.2780, 0.1996



77.2461, 0.5147, 0.3695



# Rectangle

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



77.2461, 0.3183, 0.5190



77.2461, 0.1838, 0.3658



77.2461, 0.2780, 0.1996



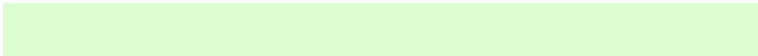
77.2461, 0.4509, 0.2805

# Sweetspot

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



77.2480, 0.3183, 0.5190



91.1146, 0.3163, 0.3774



73.9791, 0.4186, 0.4462



19.2336, 0.3168, 0.3861



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.



77.2480, 0.3183, 0.5190



75.0777, 0.3159, 0.5528



76.1617, 0.2860, 0.4749



20.3477, 0.3147, 0.3534



37.8072, 0.3071, 0.5944



3.7249, 0.3140, 0.5888



# Inverse Universe

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



31.8270, 0.2897, 0.1742



26.1765, 0.2833, 0.1522



34.8763, 0.3646, 0.2214



18.1010, 0.3105, 0.3053



10.4468, 0.2693, 0.1257

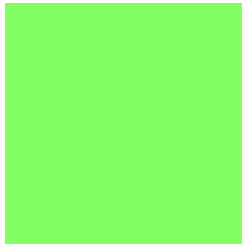


1.0624, 0.2755, 0.1291



# Previews

## White Background



This preview shows how the Yxy color 77.2461, 0.3183, 0.5190 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 77.2461, 0.3183, 0.5190 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 77.2461, 0.3183, 0.5190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.2461, 0.3183, 0.5190.

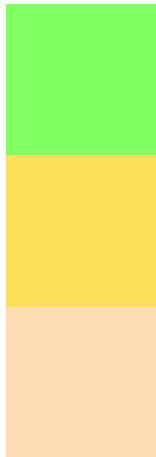


This preview shows how white text looks on a background with the Yxy color 77.2461, 0.3183, 0.5190.

# 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

77.2461, 0.3183, 0.5190

### Protanopia

75.8435, 0.4171, 0.4570

### Deuteranopia

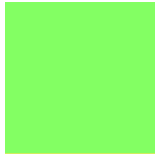
75.6207, 0.3690, 0.3732



## Tritanopia

76.9151, 0.2628, 0.3100

# Trichromacy



## Original Color

77.2461, 0.3183, 0.5190



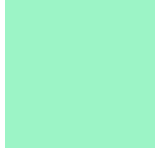
## Protanomaly

74.7864, 0.3761, 0.4823



## Deuteranomaly

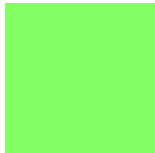
74.1494, 0.3498, 0.4242



## Tritanomaly

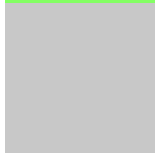
75.8465, 0.2853, 0.3846

# Monochromacy



## Original Color

77.2461, 0.3183, 0.5190



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

62.9447, 0.3177, 0.4009

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.2461, 0.3183, 0.5190 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 77.2461, 0.3183, 0.5190 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, 99) }
```

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

```
.border{ border-color:rgb(131, 255, 99) }
```

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, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.2461, 0.3183, 0.5190 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, 99) }
```

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

```
.background{ background-color: rgb(131,  
255, 99) }
```

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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