

# Converting Colors

Yxy(61.9889, 0.3016, 0.4518)

Have a look what the booklet for  
Yxy(61.9889, 0.3016, 0.4518)  
contains.

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# Color

**Yxy(61.9889, 0.3016, 0.4518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81E48A
RGB	129, 228, 138
RGB Percent	51%, 89%, 54%
CMY	0.4943, 0.1058, 0.4588
CMYK	0.43, 0.00, 0.39, 0.11
HSL	125°, 65%, 70%
HSV	125°, 43%, 89%
XYZ	41.3808, 61.9889, 33.8346
YIQ	188.1390, -30.1140, -48.9780

# Conversions

## Conversions Part 2

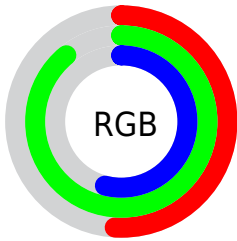
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 220, 228
Decimal	8512650
CIELab	82.91, -47.37, 35.06
CIElCh	83, 58.934, 143.489
Yxy	61.9889, 0.3016, 0.4518
Android (android.graphics.Color)	4286702730 (0xFF81E48A)
YUV	188.1390, -24.7185, -51.8649
Hunter-Lab	78.7330, -43.9661, 29.6340

# Details

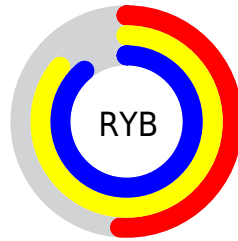
The Yxy color **61.9889, 0.3016, 0.4518** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.2986, 0.3262, 0.2312**, and the grayscale version is **50.5258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7649, 0.3058, 0.4003**, and **31.5709, 0.2954, 0.4871** is the 20% darker color. If you saturate the color by 10%, you get **59.8573, 0.2995, 0.4854**, and if you desaturate by 10%, it is **64.6384, 0.3040, 0.4192**.

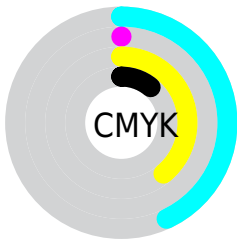
# Distribution



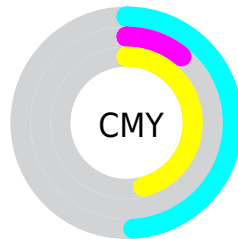
- Red (51%)
- Green (89%)
- Blue (54%)



- Red (51%)
- Yellow (86%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (39%)
- Black (11%)




- Cyan (49%)
- Magenta (11%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9889, 0.3016, 0.4518 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 61.9889, 0.3016, 0.4518 by changing the saturation by 10% instead.




 61.9889, 0.3016,  
0.4518

 61.9889, 0.3016,  
0.4518


431.8906, 0.3092,  
0.3894


 45.0237, 0.2991,  
0.4674

 107.7095, 0.3049,  
0.4290

 31.4761, 0.2955,  
0.4875

 137.2337, 0.3059,  
0.4205

 20.9617, 0.2901,  
0.5140


 171.7130, 0.3068,  
0.4133

 13.0960, 0.2815,  
0.5503

211.5319, 0.3075,  
0.4072

 7.4947, 0.2668,  
0.6024

257.0747, 0.3080,  
0.4018

 3.7733, 0.2450,  
0.6977

308.7258, 0.3085,

 1.5476, 0.1154,

0.3972

0.8846

366.8697, 0.3089,  
0.3931

0.3219, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.9889, 0.3016,  
0.4518

61.9889, 0.3016,  
0.4518

59.8573, 0.2995,  
0.4854

64.6384, 0.3040,  
0.4192

58.2025, 0.2980,  
0.5180


67.8284, 0.3067,  
0.3887

56.9899, 0.2972,  
0.5474


71.5896, 0.3093,  
0.3611

56.1765, 0.2972,  
0.5712

75.9478, 0.3119,  
0.3367

 55.7109, 0.2980,  
0.5879

 80.9276, 0.3143,  
0.3153

 55.5452, 0.2986,  
0.5948

 83.9717, 0.3139,  
0.3029

# Harmonies

## Analogous

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



61.9889, 0.3732, 0.4654



61.9889, 0.3016, 0.4518



61.9889, 0.2369, 0.3882

# Triad

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



61.9889, 0.3016, 0.4518



61.9889, 0.1994, 0.2200



61.9889, 0.4447, 0.3270

# Complementary

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



61.9889, 0.3016, 0.4518



37.2986, 0.3262, 0.2312

# 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.



61.9889, 0.3863, 0.2762



61.9889, 0.3016, 0.4518



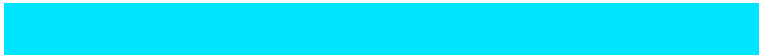
61.9889, 0.2425, 0.2172

# Square

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



61.9889, 0.3016, 0.4518



61.9889, 0.1834, 0.2496



61.9889, 0.3096, 0.2374



61.9889, 0.4607, 0.3824



# Rectangle

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



61.9889, 0.3016, 0.4518



61.9889, 0.2061, 0.3344



61.9889, 0.3096, 0.2374



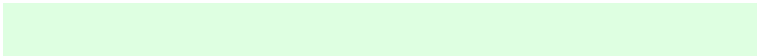
61.9889, 0.4291, 0.3092

# Sweetspot

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



61.9915, 0.3016, 0.4518



92.4556, 0.3094, 0.3602



72.2532, 0.3709, 0.4382



19.5436, 0.3088, 0.3660



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.



61.9915, 0.3016, 0.4518



77.4226, 0.2997, 0.4816



63.7327, 0.2751, 0.3834



16.1105, 0.3103, 0.3510



32.0785, 0.2982, 0.5936



2.3779, 0.2938, 0.5777



# Inverse Universe

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



37.2986, 0.3262, 0.2312



41.7413, 0.3294, 0.2135



35.0976, 0.3780, 0.2816



14.5913, 0.3152, 0.3079



12.1394, 0.3453, 0.1676

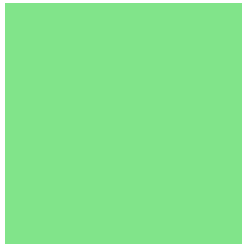


0.9037, 0.3413, 0.1654



# Previews

## White Background



This preview shows how the Yxy color 61.9889, 0.3016, 0.4518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

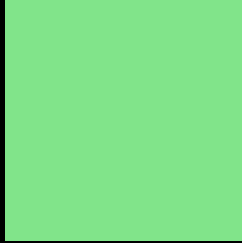
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.9889, 0.3016, 0.4518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

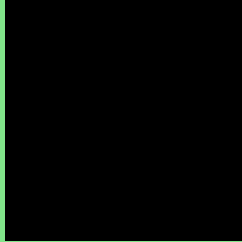
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.9889, 0.3016, 0.4518**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.9889, 0.3016, 0.4518.



This preview shows how white text looks on a background with the Yxy color 61.9889, 0.3016, 0.4518.

# 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

61.9889, 0.3016, 0.4518

### Protanopia

61.0949, 0.3840, 0.4150

### Deuteranopia

60.7573, 0.3930, 0.3842



## Tritanopia

61.9558, 0.2589, 0.3081

# Trichromacy



## Original Color

61.9889, 0.3016, 0.4518



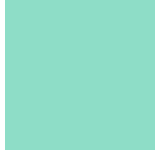
## Protanomaly

60.0733, 0.3499, 0.4295



## Deuteranomaly

59.6213, 0.3553, 0.4090



## Tritanomaly

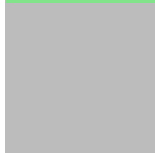
61.5872, 0.2746, 0.3574

# Monochromacy



## Original Color

61.9889, 0.3016, 0.4518



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

53.8296, 0.3084, 0.3727

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.9889, 0.3016, 0.4518 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(129, 228, 138)` looks like.

```
.text, #text, p{  
    color:rgb(129, 228, 138)  
}
```

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(129, 228, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 228, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 61.9889, 0.3016, 0.4518 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(129, 228, 138) }
```

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

```
.border{ border-color:rgb(129, 228, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 228, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 228, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 228, 138);  
box-shadow:4px 4px 4px 4px rgb(129, 228,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.9889, 0.3016, 0.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 228, 138) }
```

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

```
.background{ background-color: rgb(129,  
228, 138) }
```

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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