

# Converting Colors

$Yxy(61.6297, 0.3013, 0.4643)$

Have a look what the booklet for  
Yxy(61.6297, 0.3013, 0.4643)  
contains.

<b>Yxy(61.8149, 0.3013, 0.4639)</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(61.8149, 0.3013, 0.4639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AE583
RGB	122, 229, 131
RGB Percent	48%, 90%, 51%
CMY	0.5213, 0.1020, 0.4863
CMYK	0.47, 0.00, 0.43, 0.10
HSL	125°, 67%, 69%
HSV	125°, 47%, 90%
XYZ	40.1484, 61.8149, 31.2872
YIQ	185.8350, -32.3140, -53.1620

# Conversions

## Conversions Part 2

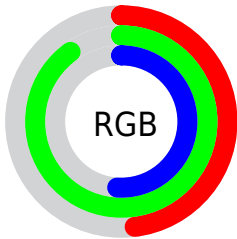
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 221, 229
Decimal	8054147
CIELab	82.81, -50.77, 38.39
CIELCh	83, 63.652, 142.902
Yxy	61.8149, 0.3013, 0.4639
Android (android.graphics.Color)	4286244227 (0xFF7AE583)
YUV	185.8350, -27.0337, -55.9833
Hunter-Lab	78.6225, -46.4387, 31.4417

# Details

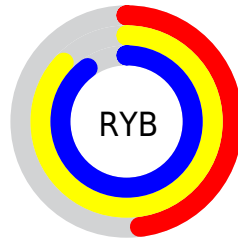
The Yxy color **61.8149, 0.3013, 0.4639** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.7622, 0.3265, 0.2237**, and the grayscale version is **49.1826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7261, 0.3060, 0.4093**, and **31.5231, 0.2943, 0.5030** is the 20% darker color. If you saturate the color by 10%, you get **59.8246, 0.2994, 0.4976**, and if you desaturate by 10%, it is **64.3195, 0.3036, 0.4305**.

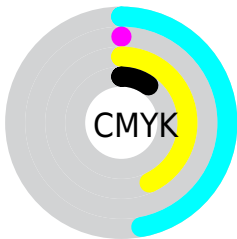
# Distribution



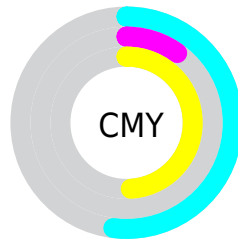
- Red (48%)
- Green (90%)
- Blue (51%)



- Red (48%)
- Yellow (87%)
- Blue (90%)



- Cyan (47%)
- Magenta (0%)
- Yellow (43%)
- Black (10%)




- Cyan (52%)
- Magenta (10%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8149, 0.3013, 0.4639 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 61.8149, 0.3013, 0.4639 by changing the saturation by 10% instead.



 61.8149, 0.3013,  
0.4639


 61.8149, 0.3013,  
0.4639

431.2556, 0.3096,  
0.3951


 44.8832, 0.2984,  
0.4812

 107.4580, 0.3049,  
0.4388

 31.3654, 0.2943,  
0.5033


 136.9381, 0.3061,  
0.4294

 20.8772, 0.2881,  
0.5324


 171.3698, 0.3070,  
0.4214

 13.0343, 0.2782,  
0.5723

211.1374, 0.3077,  
0.4146

 7.4522, 0.2610,  
0.6288

256.6254, 0.3083,  
0.4088

 3.7465, 0.2399,  
0.7469

308.2182, 0.3088,

 1.5328, 0.0664,

0.4037

0.9336

366.3001, 0.3092,  
0.3991

0.3116, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.8149, 0.3013,  
0.4639

61.8149, 0.3013,  
0.4639

59.8246, 0.2994,  
0.4976

64.3195, 0.3036,  
0.4305

58.3057, 0.2981,  
0.5295


67.3623, 0.3061,  
0.3990

57.2213, 0.2975,  
0.5573


70.9752, 0.3086,  
0.3702

56.5254, 0.2977,  
0.5787

75.1852, 0.3111,  
0.3444

 56.1604, 0.2986,  
0.5925

 80.0176, 0.3135,  
0.3219

 56.0842, 0.2987,  
0.5955

 84.5167, 0.3139,  
0.3039

# Harmonies

## Analogous

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



61.8149, 0.3779, 0.4759



61.8149, 0.3013, 0.4639



61.8149, 0.2319, 0.3949

# Triad

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



61.8149, 0.3013, 0.4639



61.8149, 0.1911, 0.2126



61.8149, 0.4545, 0.3248

# Complementary

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



61.8149, 0.3013, 0.4639



35.7622, 0.3265, 0.2237

# 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.



61.8149, 0.3905, 0.2713



61.8149, 0.3013, 0.4639



61.8149, 0.2361, 0.2096

# Square

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



61.8149, 0.3013, 0.4639



61.8149, 0.1747, 0.2441



61.8149, 0.3073, 0.2306



61.8149, 0.4721, 0.3834



# Rectangle

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



61.8149, 0.3013, 0.4639



61.8149, 0.1991, 0.3359



61.8149, 0.3073, 0.2306



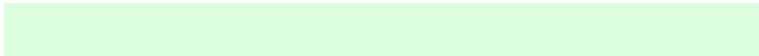
61.8149, 0.4374, 0.3060

# Sweetspot

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



61.8175, 0.3013, 0.4639



91.9158, 0.3093, 0.3631



72.6723, 0.3747, 0.4459



19.4367, 0.3087, 0.3689



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.



61.8175, 0.3013, 0.4639



76.4365, 0.2995, 0.4964



63.6580, 0.2730, 0.3883



16.1086, 0.3104, 0.3512



32.0744, 0.2984, 0.5943



2.3770, 0.2943, 0.5795



# Inverse Universe

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



35.7622, 0.3265, 0.2237



39.3675, 0.3299, 0.2053



33.3677, 0.3853, 0.2781



14.5934, 0.3151, 0.3077



12.1894, 0.3430, 0.1663



0.9069, 0.3394, 0.1644



# Previews

## White Background



This preview shows how the Yxy color 61.8149, 0.3013, 0.4639 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 61.8149, 0.3013, 0.4639 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 61.8149, 0.3013, 0.4639**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8149, 0.3013, 0.4639.



This preview shows how white text looks on a background with the Yxy color 61.8149, 0.3013, 0.4639.

# 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

61.8149, 0.3013, 0.4639

### Protanopia

60.9151, 0.3889, 0.4224

### Deuteranopia

60.7564, 0.3986, 0.3902



## Tritanopia

61.4955, 0.2562, 0.3080

# Trichromacy



## Original Color

61.8149, 0.3013, 0.4639



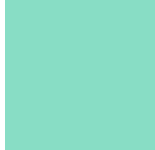
## Protanomaly

60.1386, 0.3525, 0.4395



## Deuteranomaly

59.1687, 0.3578, 0.4166



## Tritanomaly

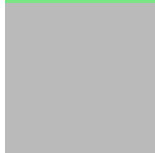
60.9784, 0.2723, 0.3603

# Monochromacy



## Original Color

61.8149, 0.3013, 0.4639



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

52.7808, 0.3082, 0.3773

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8149, 0.3013, 0.4639 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, 229, 131)` looks like.

```
.text, #text, p{  
    color:rgb(122, 229, 131)  
}
```

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, 229, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 229, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8149, 0.3013, 0.4639 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, 229, 131) }
```

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

```
.border{ border-color:rgb(122, 229, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 229, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 229, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 229, 131); box-shadow:4px 4px 4px 4px rgb(122, 229, 131) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8149, 0.3013, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 229, 131) }
```

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

```
.background{ background-color: rgb(122,  
229, 131) }
```

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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