

# Converting Colors

Yxy(61.3062, 0.2998, 0.4421)

Have a look what the booklet for  
Yxy(61.3062, 0.2998, 0.4421)  
contains.

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# Color

**Yxy(61.2012, 0.3001, 0.4424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83E28F
RGB	131, 226, 143
RGB Percent	51%, 89%, 56%
CMY	0.4863, 0.1137, 0.4391
CMYK	0.42, 0.00, 0.37, 0.11
HSL	128°, 62%, 70%
HSV	128°, 42%, 89%
XYZ	41.5156, 61.2012, 35.6223
YIQ	188.1330, -29.9770, -45.9530

# Conversions

## Conversions Part 2

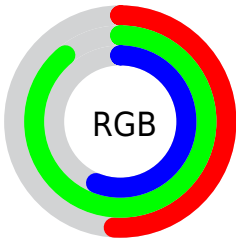
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 215, 226
Decimal	8643215
CIELab	82.49, -45.14, 31.99
CIElCh	82, 55.331, 144.675
Yxy	61.2012, 0.3001, 0.4424
Android (android.graphics.Color)	4286833295 (0xFF83E28F)
YUV	188.1330, -22.2506, -50.1056
Hunter-Lab	78.2312, -42.1786, 27.7643

# Details

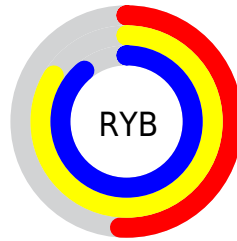
The Yxy color **61.2012, 0.3001, 0.4424** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.2547, 0.3289, 0.2374**, and the grayscale version is **50.5127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2426, 0.3043, 0.3942**, and **31.0180, 0.2940, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **59.0451, 0.2977, 0.4748**, and if you desaturate by 10%, it is **63.8612, 0.3029, 0.4112**.

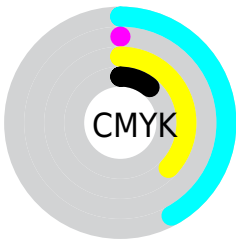
# Distribution



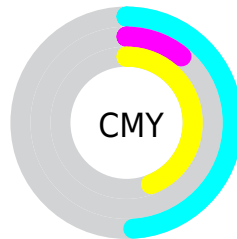
- Red (51%)
- Green (89%)
- Blue (56%)



- Red (51%)
- Yellow (84%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2012, 0.3001, 0.4424 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 61.2012, 0.3001, 0.4424 by changing the saturation by 10% instead.




 61.2012, 0.3001,  
0.4424

 61.2012, 0.3001,  
0.4424


429.0113, 0.3081,  
0.3848


 44.3876, 0.2976,  
0.4569


 106.5702, 0.3034,  
0.4214

 30.9753, 0.2941,  
0.4755


 135.8944, 0.3045,  
0.4135

 20.5800, 0.2889,  
0.5001


 170.1575, 0.3054,  
0.4069

 12.8174, 0.2808,  
0.5341

209.7440, 0.3062,  
0.4012

 7.3029, 0.2672,  
0.5834

255.0382, 0.3068,  
0.3963

 3.6523, 0.2450,  
0.6683

306.4246, 0.3073,

 1.4810, 0.1251,

0.3920

0.8749

364.2875, 0.3077,  
0.3882

0.2753, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.2012, 0.3001,  
0.4424

61.2012, 0.3001,  
0.4424

59.0451, 0.2977,  
0.4748

63.8612, 0.3029,  
0.4112

57.3538, 0.2961,  
0.5070


67.0462, 0.3059,  
0.3824


56.0951, 0.2952,  
0.5368


70.7850, 0.3091,  
0.3564

55.2288, 0.2954,  
0.5622

75.1024, 0.3121,  
0.3333

 54.7076, 0.2965,  
0.5813

 80.0215, 0.3150,  
0.3132

 54.4815, 0.2976,  
0.5915

 82.8746, 0.3140,  
0.3009

# Harmonies

## Analogous

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



61.2012, 0.3681, 0.4580



61.2012, 0.3001, 0.4424



61.2012, 0.2391, 0.3818

# Triad

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



61.2012, 0.3001, 0.4424



61.2012, 0.2061, 0.2249



61.2012, 0.4386, 0.3298

# Complementary

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



61.2012, 0.3001, 0.4424



37.2547, 0.3289, 0.2374

# 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.



61.2012, 0.3849, 0.2808



61.2012, 0.3001, 0.4424



61.2012, 0.2484, 0.2230

# Square

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



61.2012, 0.3001, 0.4424



61.2012, 0.1897, 0.2525



61.2012, 0.3128, 0.2430



61.2012, 0.4524, 0.3827



# Rectangle

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



61.2012, 0.3001, 0.4424



61.2012, 0.2104, 0.3316



61.2012, 0.3128, 0.2430



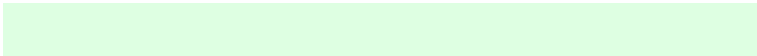
61.2012, 0.4244, 0.3127

# Sweetspot

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



61.2038, 0.3001, 0.4424



92.5196, 0.3087, 0.3590



70.4681, 0.3667, 0.4358



19.5591, 0.3080, 0.3646



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.



61.2038, 0.3001, 0.4424



78.0734, 0.2981, 0.4693



62.9192, 0.2744, 0.3769



15.3654, 0.3099, 0.3501



31.0901, 0.2972, 0.5899



2.1643, 0.2912, 0.5682



# Inverse Universe

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



37.2547, 0.3289, 0.2374



42.7915, 0.3328, 0.2210



35.2066, 0.3786, 0.2867



13.9042, 0.3157, 0.3088



11.5463, 0.3556, 0.1732

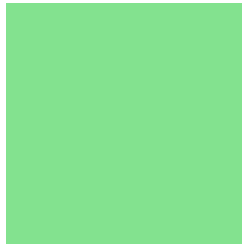


0.8088, 0.3495, 0.1699



# Previews

## White Background



This preview shows how the Yxy color 61.2012, 0.3001, 0.4424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

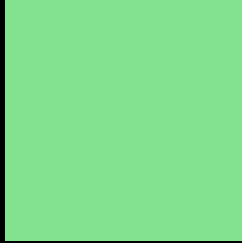
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2012, 0.3001, 0.4424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

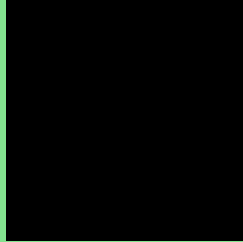
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.2012, 0.3001, 0.4424**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2012, 0.3001, 0.4424.

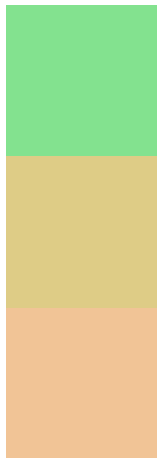


This preview shows how white text looks on a background with the Yxy color 61.2012, 0.3001, 0.4424.

# 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

61.2012, 0.3001, 0.4424

### Protanopia

60.4366, 0.3792, 0.4091

### Deuteranopia

60.3826, 0.3865, 0.3794



## Tritanopia

60.9111, 0.2602, 0.3080

# Trichromacy



## Original Color

61.2012, 0.3001, 0.4424



## Protanomaly

59.7119, 0.3469, 0.4224



## Deuteranomaly

59.1497, 0.3512, 0.4021



## Tritanomaly

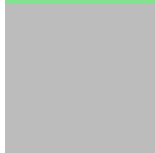
60.6728, 0.2743, 0.3535

# Monochromacy



## Original Color

61.2012, 0.3001, 0.4424



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

53.4351, 0.3071, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2012, 0.3001, 0.4424 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, 226, 143)` looks like.

```
.text, #text, p{  
    color:rgb(131, 226, 143)  
}
```

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, 226, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 226, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2012, 0.3001, 0.4424 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, 226, 143) }
```

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

```
.border{ border-color:rgb(131, 226, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 226, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 226, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 226, 143); box-shadow:4px 4px 4px 4px rgb(131, 226, 143) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2012, 0.3001, 0.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 226, 143) }
```

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

```
.background{ background-color: rgb(131,  
226, 143) }
```

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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