

# Converting Colors

$Yxy(63.0080, 0.3021, 0.4063)$

Have a look what the booklet for  
Yxy(63.0080, 0.3021, 0.4063)  
contains.

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# Color

**Yxy(62.8979, 0.3019, 0.4059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AE0A5
RGB	154, 224, 165
RGB Percent	60%, 88%, 65%
CMY	0.3959, 0.1216, 0.3529
CMYK	0.31, 0.00, 0.26, 0.12
HSL	129°, 53%, 74%
HSV	129°, 31%, 88%
XYZ	46.7822, 62.8979, 45.2790
YIQ	196.3440, -22.7810, -33.1890

# Conversions

## Conversions Part 2

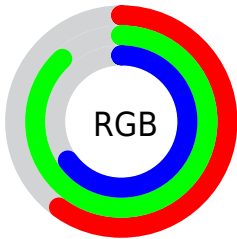
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">154, 214, 224</a>
Decimal	<a href="#">10150053</a>
CIELab	<a href="#">83.39, -33.62, 22.08</a>
CIElCh	<a href="#">83, 40.224, 146.711</a>
Yxy	<a href="#">62.8979, 0.3019, 0.4059</a>
Android (android.graphics.Color)	<a href="#">4288340133 (0xFF9AE0A5)</a>
YUV	<a href="#">196.3440, -15.4526, -37.1357</a>
Hunter-Lab	<a href="#">79.3082, -33.4961, 21.6656</a>

# Details

The Yxy color **62.8979, 0.3019, 0.4059** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.7812, 0.3259, 0.2627**, and the grayscale version is **55.5326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3889, 0.3049, 0.3662**, and **31.9068, 0.2975, 0.4268** is the 20% darker color. If you saturate the color by 10%, you get **60.2650, 0.2988, 0.4358**, and if you desaturate by 10%, it is **66.0478, 0.3053, 0.3783**.

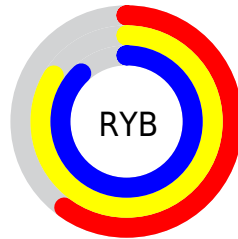
# Distribution



Red (60%)

Green (88%)

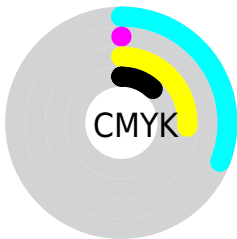
Blue (65%)



Red (60%)

Yellow (84%)

Blue (88%)

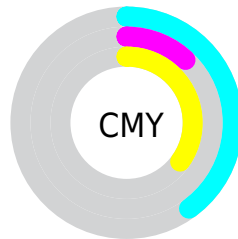


Cyan (31%)

Magenta (0%)

Yellow (26%)

Black (12%)



Cyan (40%)

Magenta (12%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8979, 0.3019, 0.4059 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 62.8979, 0.3019, 0.4059 by changing the saturation by 10% instead.




 62.8979, 0.3019,  
0.4059


 62.8979, 0.3019,  
0.4059


435.1989, 0.3080,  
0.3676

 45.7586, 0.3002,  
0.4154


 109.0222, 0.3042,  
0.3920

 32.0554, 0.2979,  
0.4275


 138.7760, 0.3051,  
0.3868

 21.4038, 0.2947,  
0.4435


173.5034, 0.3058,  
0.3824

 13.4195, 0.2900,  
0.4654

213.5889, 0.3064,  
0.3786

 7.7180, 0.2823,  
0.4975

259.4168, 0.3069,  
0.3753

 3.9151, 0.2686,  
0.5480

311.3715, 0.3073,

 1.6262, 0.2574,

0.3724

0.7118

369.8374, 0.3076,  
0.3699

0.3751, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.8979, 0.3019,  
0.4059

62.8979, 0.3019,  
0.4059

60.2650, 0.2988,  
0.4358

66.0478, 0.3053,  
0.3783

58.1140, 0.2962,  
0.4672

69.7320, 0.3088,  
0.3535

56.4175, 0.2943,  
0.4987

73.9767, 0.3123,  
0.3315

55.1424, 0.2935,  
0.5285

78.8041, 0.3156,  
0.3123

■ 54.2509, 0.2937,  
0.5545

■ 81.7880, 0.3141,  
0.2989

■ 53.6982, 0.2950,  
0.5751

■ 53.4299, 0.2966,  
0.5879

# Harmonies

## Analogous

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



62.8979, 0.3520, 0.4215



62.8979, 0.3019, 0.4059



62.8979, 0.2570, 0.3633

# Triad

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



62.8979, 0.3019, 0.4059



62.8979, 0.2348, 0.2511



62.8979, 0.4048, 0.3345

# Complementary

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



62.8979, 0.3019, 0.4059



43.7812, 0.3259, 0.2627

# 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.



62.8979, 0.3683, 0.2961



62.8979, 0.3019, 0.4059



62.8979, 0.2688, 0.2498

# Square

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



62.8979, 0.3019, 0.4059



62.8979, 0.2207, 0.2721



62.8979, 0.3172, 0.2661



62.8979, 0.4138, 0.3745



# Rectangle

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



62.8979, 0.3019, 0.4059



62.8979, 0.2356, 0.3288



62.8979, 0.3172, 0.2661



62.8979, 0.3953, 0.3212

# Sweetspot

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



62.9005, 0.3019, 0.4059



94.7198, 0.3096, 0.3485



69.8643, 0.3516, 0.4089



20.1039, 0.3091, 0.3519



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

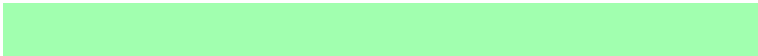


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.9005, 0.3019, 0.4059



82.1731, 0.3000, 0.4237



64.3308, 0.2817, 0.3598



15.3721, 0.3094, 0.3494



31.1129, 0.2961, 0.5861



2.1675, 0.2892, 0.5612



# Inverse Universe

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



43.7812, 0.3259, 0.2627



52.9314, 0.3291, 0.2500



42.2113, 0.3587, 0.3004



13.8968, 0.3162, 0.3095



11.3742, 0.3648, 0.1783

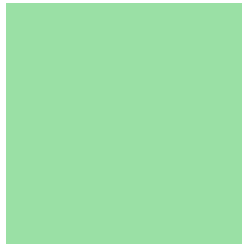


0.7985, 0.3569, 0.1740



# Previews

## White Background



This preview shows how the Yxy color 62.8979, 0.3019, 0.4059 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 62.8979, 0.3019, 0.4059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

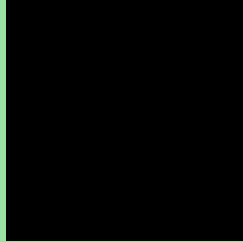
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.8979, 0.3019, 0.4059**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8979, 0.3019, 0.4059.



This preview shows how white text looks on a background with the Yxy color 62.8979, 0.3019, 0.4059.

# 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

62.8979, 0.3019, 0.4059

### Protanopia

62.4321, 0.3604, 0.3865

### Deuteranopia

62.2744, 0.3686, 0.3608



## Tritanopia

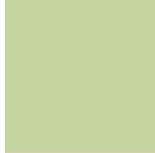
62.6426, 0.2700, 0.3086

# Trichromacy



## Original Color

62.8979, 0.3019, 0.4059



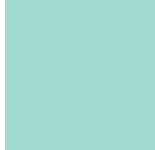
## Protanomaly

61.9969, 0.3374, 0.3934



## Deuteranomaly

61.4942, 0.3423, 0.3764



## Tritanomaly

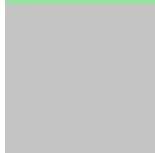
62.3783, 0.2810, 0.3413

# Monochromacy



## Original Color

62.8979, 0.3019, 0.4059



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

57.4692, 0.3085, 0.3554

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.8979, 0.3019, 0.4059 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(154, 224, 165)` looks like.

```
.text, #text, p{  
    color:rgb(154, 224, 165)  
}
```

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(154, 224, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 224, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8979, 0.3019, 0.4059 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(154, 224, 165) }
```

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

```
.border{ border-color:rgb(154, 224, 165) }
```

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

Here you see how a box with a 4 pixel rgb(154, 224, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 224, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 224, 165);  
box-shadow:4px 4px 4px 4px rgb(154, 224,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8979, 0.3019, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 224, 165) }
```

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

```
.background{ background-color: rgb(154,  
224, 165) }
```

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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