

# Converting Colors

$Yxy(62.8479, 0.3074, 0.4151)$

Have a look what the booklet for  
Yxy(62.8479, 0.3074, 0.4151)  
contains.

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# Color

**Yxy(62.8479, 0.3074, 0.4151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CE09E
RGB	156, 224, 158
RGB Percent	61%, 88%, 62%
CMY	0.3881, 0.1216, 0.3805
CMYK	0.30, 0.00, 0.29, 0.12
HSL	122°, 52%, 75%
HSV	122°, 30%, 88%
XYZ	46.5417, 62.8479, 42.0147
YIQ	196.1440, -19.3420, -34.9420

# Conversions

## Conversions Part 2

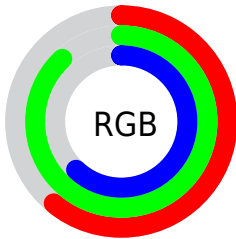
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 222, 224
Decimal	10281118
CIELab	83.36, -34.19, 25.71
CIElCh	83, 42.775, 143.057
Yxy	62.8479, 0.3074, 0.4151
Android (android.graphics.Color)	4288471198 (0xFF9CE09E)
YUV	196.1440, -18.8050, -35.2063
Hunter-Lab	79.2767, -33.9406, 24.0714

# Details

The Yxy color **62.8479, 0.3074, 0.4151** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.9152, 0.3179, 0.2557**, and the grayscale version is **55.4217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3211, 0.3100, 0.3737**, and **31.8707, 0.3043, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **60.1333, 0.3055, 0.4493**, and if you desaturate by 10%, it is **66.1126, 0.3093, 0.3834**.

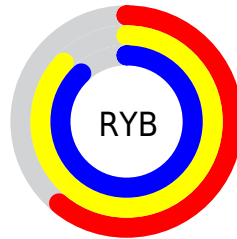
# Distribution



Red (61%)

Green (88%)

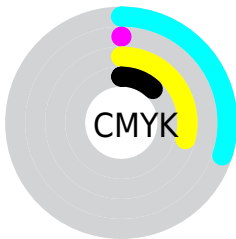
Blue (62%)



Red (61%)

Yellow (87%)

Blue (88%)

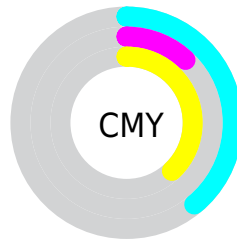


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (12%)



Cyan (39%)

Magenta (12%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8479, 0.3074, 0.4151 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 62.8479, 0.3074, 0.4151 by changing the saturation by 10% instead.




 62.8479, 0.3074,  
0.4151


 62.8479, 0.3074,  
0.4151

435.0173, 0.3111,  
0.3721

 45.7182, 0.3062,  
0.4257


 108.9500, 0.3090,  
0.3995

 32.0235, 0.3045,  
0.4393

 138.6913, 0.3095,  
0.3937

 21.3794, 0.3019,  
0.4572


173.4051, 0.3099,  
0.3887

 13.4016, 0.2978,  
0.4819

213.4759, 0.3102,  
0.3844

 7.7057, 0.2909,  
0.5176

259.2882, 0.3105,  
0.3807

 3.9072, 0.2773,  
0.5731

311.2262, 0.3107,

 1.6218, 0.2605,

0.3775

369.6744, 0.3109,  
0.3747

0.7395

0.3722, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.8479, 0.3074,  
0.4151

62.8479, 0.3074,  
0.4151

60.1333, 0.3055,  
0.4493

66.1126, 0.3093,  
0.3834

57.9311, 0.3037,  
0.4845

69.9468, 0.3110,  
0.3549

56.2116, 0.3020,  
0.5188

74.3788, 0.3127,  
0.3298

54.9384, 0.3007,  
0.5495

79.4327, 0.3141,  
0.3080

■ 54.0702, 0.2999,  
0.5740

■ 81.7906, 0.3141,  
0.2989

■ 53.5582, 0.2997,  
0.5905

■ 53.3246, 0.2996,  
0.5986

# Harmonies

## Analogous

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



62.8479, 0.3602, 0.4272



62.8479, 0.3074, 0.4151



62.8479, 0.2585, 0.3720

# Triad

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



62.8479, 0.3074, 0.4151



62.8479, 0.2273, 0.2480



62.8479, 0.4074, 0.3293

# Complementary

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



62.8479, 0.3074, 0.4151



44.9152, 0.3179, 0.2557

# 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.



62.8479, 0.3656, 0.2896



62.8479, 0.3074, 0.4151



62.8479, 0.2607, 0.2444

# Square

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



62.8479, 0.3074, 0.4151



62.8479, 0.2152, 0.2726



62.8479, 0.3106, 0.2595



62.8479, 0.4208, 0.3717



# Rectangle

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



62.8479, 0.3074, 0.4151



62.8479, 0.2344, 0.3353



62.8479, 0.3106, 0.2595



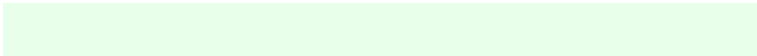
62.8479, 0.3961, 0.3154

# Sweetspot

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



62.8506, 0.3074, 0.4151



94.5505, 0.3113, 0.3515



71.3791, 0.3575, 0.4047



20.0626, 0.3110, 0.3554



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

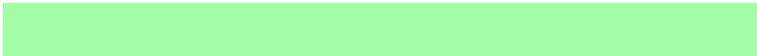


# Same Dimension

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



62.8506, 0.3074, 0.4151



82.0741, 0.3063, 0.4351



64.1510, 0.2877, 0.3706



15.3435, 0.3112, 0.3525



31.0421, 0.2995, 0.5981



2.1539, 0.2979, 0.5925



# Inverse Universe

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



44.9152, 0.3179, 0.2557



54.5781, 0.3190, 0.2418



43.3072, 0.3481, 0.2910



13.9285, 0.3142, 0.3066



12.1621, 0.3281, 0.1581

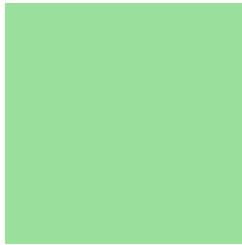


0.8452, 0.3269, 0.1575



# Previews

## White Background



This preview shows how the Yxy color 62.8479, 0.3074, 0.4151 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 62.8479, 0.3074, 0.4151 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 62.8479, 0.3074, 0.4151**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8479, 0.3074, 0.4151.

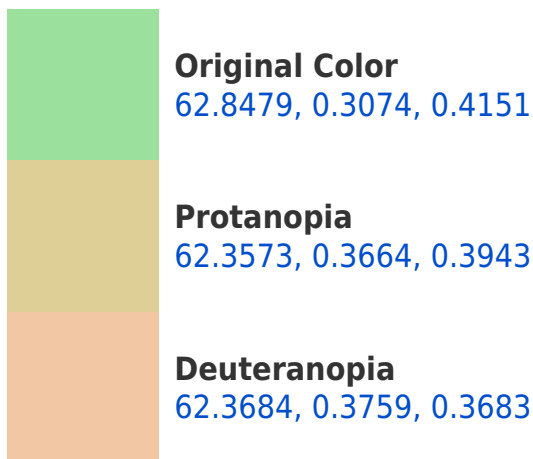


This preview shows how white text looks on a background with the Yxy color 62.8479, 0.3074, 0.4151.

# 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





## Tritanopia

62.9731, 0.2718, 0.3087

# Trichromacy



## Original Color

62.8479, 0.3074, 0.4151



## Protanomaly

61.8942, 0.3430, 0.4018



## Deuteranomaly

61.5338, 0.3490, 0.3845



## Tritanomaly

62.5499, 0.2847, 0.3451

# Monochromacy



## Original Color

62.8479, 0.3074, 0.4151



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

57.3438, 0.3105, 0.3592

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.8479, 0.3074, 0.4151 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(156, 224, 158)` looks like.

```
.text, #text, p{  
    color:rgb(156, 224, 158)  
}
```

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(156, 224, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 224, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8479, 0.3074, 0.4151 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(156, 224, 158) }
```

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

```
.border{ border-color:rgb(156, 224, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 224, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 224, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 224, 158);  
box-shadow:4px 4px 4px 4px rgb(156, 224,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8479, 0.3074, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 224, 158) }
```

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

```
.background{ background-color: rgb(156,  
224, 158) }
```

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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