

# Converting Colors

Yxy(60.9360, 0.3063, 0.4138)

Have a look what the booklet for  
Yxy(60.9360, 0.3063, 0.4138)  
contains.

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# Color

**Yxy(60.9195, 0.3061, 0.4136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99DD9D
RGB	153, 221, 157
RGB Percent	60%, 87%, 62%
CMY	0.3998, 0.1333, 0.3843
CMYK	0.31, 0.00, 0.29, 0.13
HSL	124°, 50%, 73%
HSV	124°, 31%, 87%
XYZ	45.0857, 60.9195, 41.2856
YIQ	193.3720, -19.9840, -34.3200

# Conversions

## Conversions Part 2

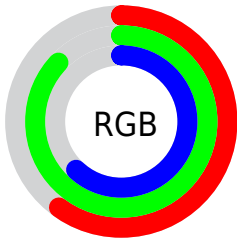
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 217, 221
Decimal	10083741
CIELab	82.34, -33.91, 24.79
CIELCh	82, 42.006, 143.840
Yxy	60.9195, 0.3061, 0.4136
Android (android.graphics.Color)	4288273821 (0xFF99DD9D)
YUV	193.3720, -17.9314, -35.4062
Hunter-Lab	78.0509, -33.4795, 23.2738

# Details

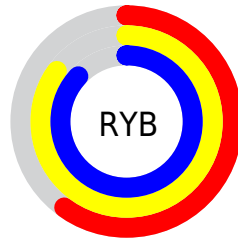
The Yxy color **60.9195, 0.3061, 0.4136** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.1792, 0.3197, 0.2569**, and the grayscale version is **53.6819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8288, 0.3087, 0.3751**, and **30.9450, 0.3026, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **58.3150, 0.3039, 0.4468**, and if you desaturate by 10%, it is **64.0485, 0.3083, 0.3828**.

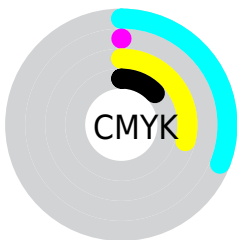
# Distribution



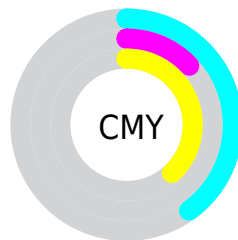
- Red (60%)
- Green (87%)
- Blue (62%)



- Red (60%)
- Yellow (85%)
- Blue (87%)



- Cyan (31%)
- Magenta (0%)
- Yellow (29%)
- Black (13%)




- Cyan (40%)
- Magenta (13%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9195, 0.3061, 0.4136 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 60.9195, 0.3061, 0.4136 by changing the saturation by 10% instead.





 60.9195, 0.3061,  
0.4136

 60.9195, 0.3061,  
0.4136


427.9788, 0.3104,  
0.3712

 44.1602, 0.3047,  
0.4242


 106.1624, 0.3079,  
0.3982

 30.7965, 0.3029,  
0.4377


 135.4147, 0.3085,  
0.3924

 20.4439, 0.3001,  
0.4557


169.6002, 0.3090,  
0.3875

 12.7181, 0.2957,  
0.4805

209.1033, 0.3093,  
0.3833

 7.2347, 0.2882,  
0.5167

254.3083, 0.3097,  
0.3796

 3.6093, 0.2737,  
0.5737

305.5996, 0.3099,

 1.4575, 0.2439,

0.3765

0.7561

363.3616, 0.3102,  
0.3736

■ 0.2585, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.9195, 0.3061,  
0.4136

■ 60.9195, 0.3061,  
0.4136

■ 58.3150, 0.3039,  
0.4468

■ 64.0485, 0.3083,  
0.3828

■ 56.1991, 0.3019,  
0.4812

■ 67.7202, 0.3105,  
0.3551

■ 54.5435, 0.3003,  
0.5149

■ 71.9615, 0.3126,  
0.3307

■ 53.3140, 0.2992,  
0.5454

■ 76.7953, 0.3145,  
0.3094

■ 52.4714, 0.2987,  
0.5704

■ 80.1908, 0.3143,  
0.2960

■ 51.9694, 0.2988,  
0.5879

■ 51.7396, 0.2992,  
0.5970

# Harmonies

## Analogous

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



60.9195, 0.3586, 0.4265



60.9195, 0.3061, 0.4136



60.9195, 0.2578, 0.3703

# Triad

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



60.9195, 0.3061, 0.4136



60.9195, 0.2285, 0.2482



60.9195, 0.4074, 0.3304

# Complementary

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



60.9195, 0.3061, 0.4136



43.1792, 0.3197, 0.2569

# 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.



60.9195, 0.3665, 0.2909



60.9195, 0.3061, 0.4136



60.9195, 0.2622, 0.2452

# Square

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



60.9195, 0.3061, 0.4136



60.9195, 0.2159, 0.2721



60.9195, 0.3121, 0.2606



60.9195, 0.4199, 0.3725



# Rectangle

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



60.9195, 0.3061, 0.4136



60.9195, 0.2342, 0.3338



60.9195, 0.3121, 0.2606



60.9195, 0.3964, 0.3166

# Sweetspot

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



60.9221, 0.3061, 0.4136



94.5897, 0.3109, 0.3508



68.8557, 0.3563, 0.4062



20.0721, 0.3106, 0.3546



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

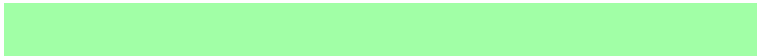


# Same Dimension

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



60.9221, 0.3061, 0.4136



81.8199, 0.3047, 0.4351



62.2233, 0.2861, 0.3682



14.6185, 0.3108, 0.3517



30.0630, 0.2989, 0.5960



1.9521, 0.2956, 0.5842



# Inverse Universe

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



43.1792, 0.3197, 0.2569



53.4976, 0.3214, 0.2419



41.6129, 0.3509, 0.2931



13.2610, 0.3147, 0.3073



11.5839, 0.3360, 0.1625

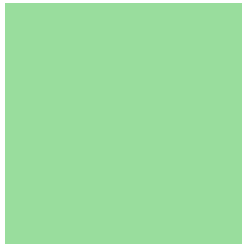


0.7545, 0.3333, 0.1610



# Previews

## White Background



This preview shows how the Yxy color 60.9195, 0.3061, 0.4136 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 60.9195, 0.3061, 0.4136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

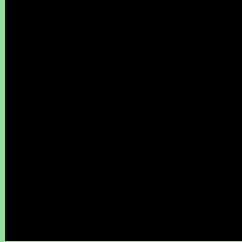
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.9195, 0.3061, 0.4136**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.9195, 0.3061, 0.4136.



This preview shows how white text looks on a background with the Yxy color 60.9195, 0.3061, 0.4136.

# 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

60.9195, 0.3061, 0.4136

### Protanopia

60.4157, 0.3657, 0.3929

### Deuteranopia

60.2656, 0.3743, 0.3667



## Tritanopia

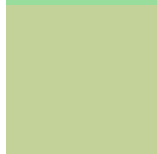
60.8511, 0.2707, 0.3084

## Trichromacy



### Original Color

60.9195, 0.3061, 0.4136



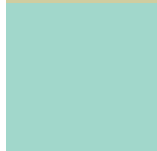
### Protanomaly

59.9623, 0.3420, 0.4004



### Deuteranomaly

59.4661, 0.3472, 0.3830



### Tritanomaly

60.4897, 0.2831, 0.3440

## Monochromacy



### Original Color

60.9195, 0.3061, 0.4136



### Achromatopsia

53.3276, 0.3127, 0.3290



### Achromatomaly

55.4721, 0.3098, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.9195, 0.3061, 0.4136 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(153, 221, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 221, 157)  
}
```

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(153, 221, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 221, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 60.9195, 0.3061, 0.4136 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(153, 221, 157) }
```

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

```
.border{ border-color:rgb(153, 221, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 221, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 221, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 221, 157);  
box-shadow:4px 4px 4px 4px rgb(153, 221,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.9195, 0.3061, 0.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 221, 157) }
```

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

```
.background{ background-color: rgb(153,  
221, 157) }
```

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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