

# Converting Colors

Yxy(66.9091, 0.3174, 0.4138)

Have a look what the booklet for  
Yxy(66.9091, 0.3174, 0.4138)  
contains.

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# Color

**Yxy(66.9091, 0.3174, 0.4138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADE4A0
RGB	173, 228, 160
RGB Percent	68%, 89%, 63%
CMY	0.3216, 0.1059, 0.3726
CMYK	0.24, 0.00, 0.30, 0.11
HSL	109°, 56%, 76%
HSV	109°, 30%, 89%
XYZ	51.3218, 66.9091, 43.4634
YIQ	203.8030, -10.9520, -32.8080

# Conversions

## Conversions Part 2

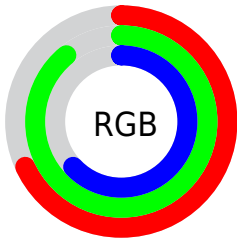
Format	Color
<a href="#">RYB</a>	<a href="#">160, 228, 215</a>
Decimal	<a href="#">11396256</a>
CIELab	<a href="#">85.46, -30.17, 27.67</a>
CIELCh	<a href="#">85, 40.933, 137.474</a>
Yxy	<a href="#">66.9091, 0.3174, 0.4138</a>
Android (android.graphics.Color)	<a href="#">4289586336 (0xFFADE4A0)</a>
YUV	<a href="#">203.8030, -21.5949, -27.0142</a>
Hunter-Lab	<a href="#">81.7980, -31.1518, 25.7548</a>

# Details

The Yxy color **66.9091, 0.3174, 0.4138** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.1875, 0.3050, 0.2524**, and the grayscale version is **60.3980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0843, 0.3195, 0.3702**, and **34.5097, 0.3169, 0.4363** is the 20% darker color. If you saturate the color by 10%, you get **64.2267, 0.3182, 0.4471**, and if you desaturate by 10%, it is **70.0337, 0.3161, 0.3826**.

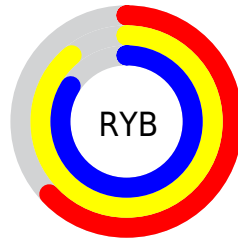
# Distribution



Red (68%)

Green (89%)

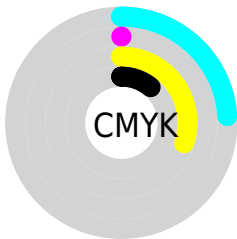
Blue (63%)



Red (63%)

Yellow (89%)

Blue (84%)

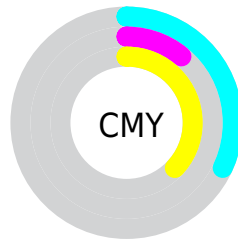


Cyan (24%)

Magenta (0%)

Yellow (30%)

Black (11%)



Cyan (32%)

Magenta (11%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9091, 0.3174, 0.4138 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 66.9091, 0.3174, 0.4138 by changing the saturation by 10% instead.





 66.9091, 0.3174,  
0.4138

 66.9091, 0.3174,  
0.4138


449.6211, 0.3163,  
0.3721

 49.0108, 0.3173,  
0.4239


 114.7902, 0.3173,  
0.3988

 34.6280, 0.3170,  
0.4367


 145.5417, 0.3171,  
0.3932

 23.3765, 0.3164,  
0.4534


181.3463, 0.3170,  
0.3884

 14.8717, 0.3148,  
0.4761

222.5886, 0.3169,  
0.3842

 8.7294, 0.3115,  
0.5082

269.6528, 0.3167,  
0.3806

 4.5651, 0.3038,  
0.5566

322.9234, 0.3166,

 1.9944, 0.3088,

0.3774

0.6912

382.7847, 0.3164,  
0.3746

0.6042, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.9091, 0.3174,  
0.4138

66.9091, 0.3174,  
0.4138

64.2267, 0.3182,  
0.4471

70.0337, 0.3161,  
0.3826

61.9581, 0.3182,  
0.4811

73.6103, 0.3145,  
0.3541

60.0847, 0.3174,  
0.5142

77.6594, 0.3127,  
0.3286

58.5832, 0.3156,  
0.5440

82.1975, 0.3108,  
0.3061

■ 57.4276, 0.3129,  
0.5683

■ 83.9696, 0.3139,  
0.3029

■ 56.5883, 0.3094,  
0.5854

■ 56.0243, 0.3058,  
0.5953

■ 56.0165, 0.3058,  
0.5954

# Harmonies

## Analogous

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



66.9091, 0.3662, 0.4197



66.9091, 0.3174, 0.4138



66.9091, 0.2696, 0.3782

# Triad

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



66.9091, 0.3174, 0.4138



66.9091, 0.2285, 0.2556



66.9091, 0.3958, 0.3222

# Complementary

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



66.9091, 0.3174, 0.4138



45.1875, 0.3050, 0.2524

# 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.



66.9091, 0.3531, 0.2858



66.9091, 0.3174, 0.4138



66.9091, 0.2566, 0.2484

# Square

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



66.9091, 0.3174, 0.4138



66.9091, 0.2209, 0.2828



66.9091, 0.3014, 0.2596



66.9091, 0.4140, 0.3624



# Rectangle

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



66.9091, 0.3174, 0.4138



66.9091, 0.2446, 0.3447



66.9091, 0.3014, 0.2596



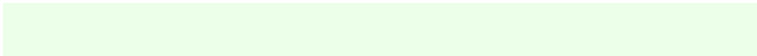
66.9091, 0.3837, 0.3093

# Sweetspot

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



66.9120, 0.3174, 0.4138



95.2573, 0.3144, 0.3520



67.3299, 0.3617, 0.3897



20.2350, 0.3146, 0.3560



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

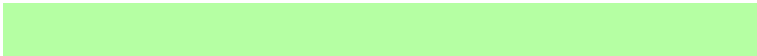


# Same Dimension

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



66.9120, 0.3174, 0.4138



83.9662, 0.3180, 0.4349



66.2740, 0.2966, 0.3891



16.2211, 0.3144, 0.3531



32.3826, 0.3065, 0.5949



2.4306, 0.3157, 0.5875



# Inverse Universe

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



45.1875, 0.3050, 0.2524



51.5660, 0.3027, 0.2356



46.1686, 0.3338, 0.2757



14.4686, 0.3107, 0.3056



9.1960, 0.2730, 0.1278



0.7155, 0.2804, 0.1318



# Previews

## White Background



This preview shows how the Yxy color 66.9091, 0.3174, 0.4138 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 66.9091, 0.3174, 0.4138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

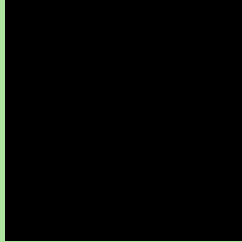
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.9091, 0.3174, 0.4138**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9091, 0.3174, 0.4138.



This preview shows how white text looks on a background with the Yxy color 66.9091, 0.3174, 0.4138.

# 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

66.9091, 0.3174, 0.4138

### Protanopia

66.5464, 0.3679, 0.3958

### Deuteranopia

66.0421, 0.3783, 0.3704



## Tritanopia

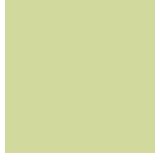
66.6380, 0.2797, 0.3083

# Trichromacy



## Original Color

66.9091, 0.3174, 0.4138



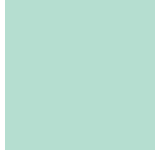
## Protanomaly

66.0984, 0.3484, 0.4014



## Deuteranomaly

65.6050, 0.3543, 0.3860



## Tritanomaly

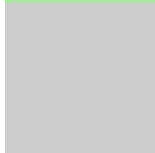
66.6204, 0.2935, 0.3457

# Monochromacy



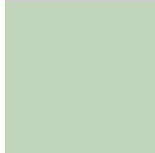
## Original Color

66.9091, 0.3174, 0.4138



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

62.5568, 0.3150, 0.3591

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9091, 0.3174, 0.4138 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(173, 228, 160)` looks like.

```
.text, #text, p{  
    color:rgb(173, 228, 160)  
}
```

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(173, 228, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 228, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9091, 0.3174, 0.4138 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(173, 228, 160) }
```

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

```
.border{ border-color:rgb(173, 228, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 228, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 228, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 228, 160); box-shadow:4px 4px 4px 4px rgb(173, 228, 160) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9091, 0.3174, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 228, 160) }
```

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

```
.background{ background-color: rgb(173,  
228, 160) }
```

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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