

# Converting Colors

Yxy(62.0894, 0.3181, 0.4221)

Have a look what the booklet for  
Yxy(62.0894, 0.3181, 0.4221)  
contains.

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# Color

**Yxy(62.3371, 0.3178, 0.4221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4DE96
RGB	164, 222, 150
RGB Percent	64%, 87%, 59%
CMY	0.3569, 0.1294, 0.4118
CMYK	0.26, 0.00, 0.32, 0.13
HSL	108°, 52%, 73%
HSV	108°, 32%, 87%
XYZ	46.9337, 62.3371, 38.4124
YIQ	196.4500, -11.4560, -34.6880

# Conversions

## Conversions Part 2

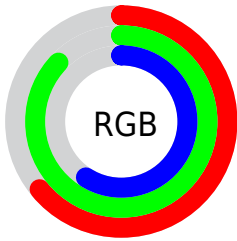
Format	Color
<a href="#">RYB</a>	<a href="#">150, 222, 208</a>
Decimal	<a href="#">10804886</a>
CIELab	<a href="#">83.09, -31.92, 29.53</a>
CIELCh	<a href="#">83, 43.485, 137.228</a>
Yxy	<a href="#">62.3371, 0.3178, 0.4221</a>
Android (android.graphics.Color)	<a href="#">4288994966</a> ( <a href="#">0xFFA4DE96</a> )
YUV	<a href="#">196.4500, -22.8998, -28.4586</a>
Hunter-Lab	<a href="#">78.9538, -32.0608, 26.4221</a>

# Details

The Yxy color **62.3371, 0.3178, 0.4221** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.5009, 0.3039, 0.2456**, and the grayscale version is **55.6313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1434, 0.3195, 0.3817**, and **31.8343, 0.3171, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **59.9198, 0.3184, 0.4556**, and if you desaturate by 10%, it is **65.1629, 0.3166, 0.3903**.

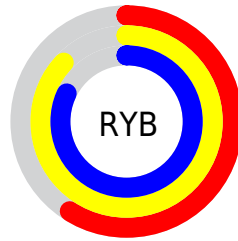
# Distribution



Red (64%)

Green (87%)

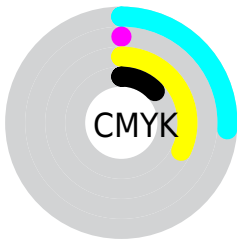
Blue (59%)



Red (59%)

Yellow (87%)

Blue (82%)

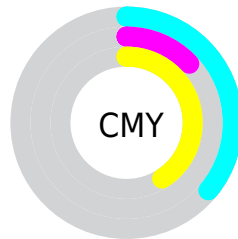


Cyan (26%)

Magenta (0%)

Yellow (32%)

Black (13%)



Cyan (36%)

Magenta (13%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3371, 0.3178, 0.4221 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 62.3371, 0.3178, 0.4221 by changing the saturation by 10% instead.




 62.3371, 0.3178,  
0.4221


 62.3371, 0.3178,  
0.4221


433.1597, 0.3167,  
0.3756

 45.3051, 0.3176,  
0.4336


 108.2126, 0.3177,  
0.4053

 31.6978, 0.3172,  
0.4482


 137.8249, 0.3176,  
0.3990

 21.1308, 0.3161,  
0.4674


172.3995, 0.3175,  
0.3936

 13.2197, 0.3139,  
0.4936

212.3206, 0.3173,  
0.3890

 7.5800, 0.3091,  
0.5312

257.9729, 0.3172,  
0.3850

 3.8274, 0.2988,  
0.5903

309.7405, 0.3170,

 1.5775, 0.2750,

0.3815

0.7250

368.0080, 0.3169,  
0.3784

■ 0.3423, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.3371, 0.3178,  
0.4221

■ 62.3371, 0.3178,  
0.4221

■ 59.9198, 0.3184,  
0.4556

■ 65.1629, 0.3166,  
0.3903

■ 57.8843, 0.3183,  
0.4896


■ 68.4068, 0.3150,  
0.3612

■ 56.2129, 0.3173,  
0.5220

■ 72.0879, 0.3132,  
0.3349

■ 54.8832, 0.3153,  
0.5505


■ 76.2219, 0.3112,  
0.3117

 53.8705, 0.3123,  
0.5731

 80.4306, 0.3131,  
0.2969

 53.1462, 0.3087,  
0.5882

 80.7268, 0.3142,  
0.2970

 52.7628, 0.3060,  
0.5952

# Harmonies

## Analogous

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



62.3371, 0.3707, 0.4275



62.3371, 0.3178, 0.4221



62.3371, 0.2661, 0.3832

# Triad

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



62.3371, 0.3178, 0.4221



62.3371, 0.2216, 0.2497



62.3371, 0.4029, 0.3209

# Complementary

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



62.3371, 0.3178, 0.4221



40.5009, 0.3039, 0.2456

# 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.



62.3371, 0.3561, 0.2820



62.3371, 0.3178, 0.4221



62.3371, 0.2515, 0.2421

# Square

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



62.3371, 0.3178, 0.4221



62.3371, 0.2137, 0.2788



62.3371, 0.2997, 0.2540



62.3371, 0.4228, 0.3640



# Rectangle

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



62.3371, 0.3178, 0.4221



62.3371, 0.2392, 0.3463



62.3371, 0.2997, 0.2540



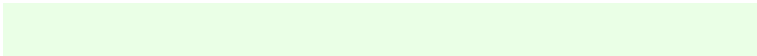
62.3371, 0.3896, 0.3071

# Sweetspot

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



62.3398, 0.3178, 0.4221



94.7742, 0.3146, 0.3547



62.6531, 0.3662, 0.3950



20.1390, 0.3148, 0.3586



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

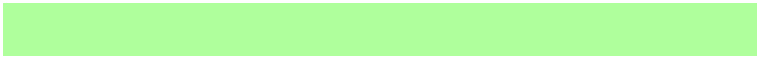


# Same Dimension

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



62.3398, 0.3178, 0.4221



83.0033, 0.3183, 0.4450



61.6943, 0.2954, 0.3952



15.4647, 0.3145, 0.3530



31.3740, 0.3067, 0.5947



2.2116, 0.3166, 0.5868



# Inverse Universe

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



40.5009, 0.3039, 0.2456



48.6254, 0.3013, 0.2277



41.5331, 0.3361, 0.2710



13.7941, 0.3107, 0.3057



8.8639, 0.2724, 0.1274



0.6493, 0.2802, 0.1317



# Previews

## White Background



This preview shows how the Yxy color 62.3371, 0.3178, 0.4221 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 62.3371, 0.3178, 0.4221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

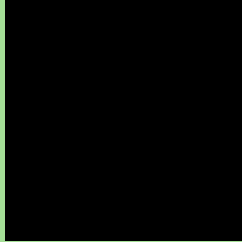
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3371, 0.3178, 0.4221**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3371, 0.3178, 0.4221.



This preview shows how white text looks on a background with the Yxy color 62.3371, 0.3178, 0.4221.

# 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

62.3371, 0.3178, 0.4221

### Protanopia

61.8138, 0.3727, 0.4010

### Deuteranopia

61.8094, 0.3834, 0.3757



## Tritanopia

62.0912, 0.2776, 0.3088

# Trichromacy



## Original Color

62.3371, 0.3178, 0.4221



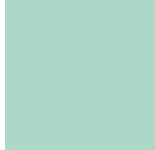
## Protanomaly

61.7188, 0.3513, 0.4084



## Deuteranomaly

61.2217, 0.3576, 0.3924



## Tritanomaly

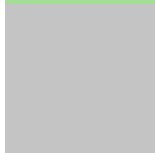
62.0525, 0.2922, 0.3488

# Monochromacy



## Original Color

62.3371, 0.3178, 0.4221



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

57.1077, 0.3150, 0.3617

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3371, 0.3178, 0.4221 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(164, 222, 150)` looks like.

```
.text, #text, p{  
    color:rgb(164, 222, 150)  
}
```

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(164, 222, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 222, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3371, 0.3178, 0.4221 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(164, 222, 150) }
```

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

```
.border{ border-color:rgb(164, 222, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 222, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 222, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 222, 150);  
box-shadow:4px 4px 4px 4px rgb(164, 222,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3371, 0.3178, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 222, 150) }
```

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

```
.background{ background-color: rgb(164,  
222, 150) }
```

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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