

# Converting Colors

$Yxy(62.6460, 0.3004, 0.3632)$

Have a look what the booklet for  
Yxy(62.6460, 0.3004, 0.3632)  
contains.

<b>Yxy(62.4574, 0.3006, 0.3625)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.4574, 0.3006, 0.3625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFD9BE
RGB	175, 217, 190
RGB Percent	69%, 85%, 75%
CMY	0.3136, 0.1490, 0.2549
CMYK	0.19, 0.00, 0.12, 0.15
HSL	141°, 36%, 77%
HSV	141°, 19%, 85%
XYZ	51.7923, 62.4574, 58.0466
YIQ	201.3640, -16.3650, -17.3010

# Conversions

## Conversions Part 2

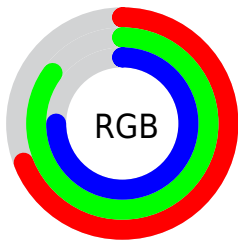
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 206, 217
Decimal	11524542
CIELab	83.16, -19.00, 8.79
CIELCh	83, 20.938, 155.179
Yxy	62.4574, 0.3006, 0.3625
Android (android.graphics.Color)	4289714622 (0xFFAFD9BE)
YUV	201.3640, -5.6025, -23.1212
Hunter-Lab	79.0300, -21.3226, 11.7732

# Details

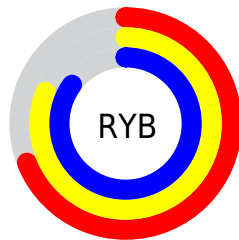
The Yxy color **62.4574, 0.3006, 0.3625** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.6887, 0.3272, 0.2977**, and the grayscale version is **58.6945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1627, 0.3031, 0.3380**, and **31.7844, 0.2971, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **59.5657, 0.2947, 0.3828**, and if you desaturate by 10%, it is **65.8163, 0.3068, 0.3442**.

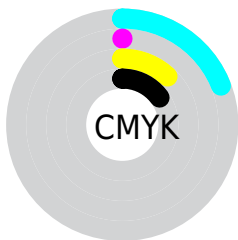
# Distribution



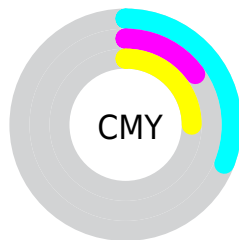
- Red (69%)
- Green (85%)
- Blue (75%)



- Red (69%)
- Yellow (81%)
- Blue (85%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (15%)




- Cyan (31%)
- Magenta (15%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4574, 0.3006, 0.3625 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 62.4574, 0.3006, 0.3625 by changing the saturation by 10% instead.




 62.4574, 0.3006,  
0.3625

 62.4574, 0.3006,  
0.3625


433.5976, 0.3066,  
0.3462

 45.4024, 0.2991,  
0.3665


 108.3863, 0.3027,  
0.3567

 31.7745, 0.2973,  
0.3715


138.0290, 0.3036,  
0.3544

 21.1893, 0.2949,  
0.3780


172.6364, 0.3042,  
0.3526

 13.2625, 0.2915,  
0.3870

212.5929, 0.3048,  
0.3509

 7.6095, 0.2867,  
0.3998

258.2829, 0.3053,  
0.3495

 3.8461, 0.2790,  
0.4200

310.0907, 0.3058,

 1.5879, 0.2650,

0.3483

0.4560

368.4008, 0.3062,  
0.3472

0.3494, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.4574, 0.3006,  
0.3625

62.4574, 0.3006,  
0.3625

59.5657, 0.2947,  
0.3828

65.8163, 0.3068,  
0.3442

57.1124, 0.2893,  
0.4050

69.6539, 0.3131,  
0.3280

55.0777, 0.2849,  
0.4288

73.9914, 0.3194,  
0.3137

53.4370, 0.2816,  
0.4536

77.5274, 0.3206,  
0.3007

■ 52.1630, 0.2799,  
0.4787

■ 78.1042, 0.3145,  
0.2920

■ 51.2249, 0.2799,  
0.5031

■ 50.5865, 0.2817,  
0.5256

■ 50.1889, 0.2850,  
0.5456

■ 50.1665, 0.2852,  
0.5468

# Harmonies

## Analogous

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



62.4574, 0.3272, 0.3751



62.4574, 0.3006, 0.3625



62.4574, 0.2779, 0.3397

# Triad

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



62.4574, 0.3006, 0.3625



62.4574, 0.2751, 0.2856



62.4574, 0.3633, 0.3397

# Complementary

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



62.4574, 0.3006, 0.3625



49.6887, 0.3272, 0.2977

# 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.



62.4574, 0.3481, 0.3175



62.4574, 0.3006, 0.3625



62.4574, 0.2967, 0.2871

# Square

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



62.4574, 0.3006, 0.3625



62.4574, 0.2637, 0.2953



62.4574, 0.3234, 0.2986



62.4574, 0.3641, 0.3604



# Rectangle

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



62.4574, 0.3006, 0.3625



62.4574, 0.2678, 0.3228



62.4574, 0.3234, 0.2986



62.4574, 0.3597, 0.3322

# Sweetspot

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



62.4600, 0.3006, 0.3625



96.5952, 0.3089, 0.3387



65.3203, 0.3304, 0.3787



20.5994, 0.3085, 0.3398



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

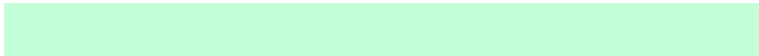


# Same Dimension

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



62.4600, 0.3006, 0.3625



88.3274, 0.2983, 0.3701



63.4300, 0.2877, 0.3366



14.6827, 0.3068, 0.3444



30.3874, 0.2845, 0.5441



1.9848, 0.2752, 0.5107



# Inverse Universe

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



49.6887, 0.3272, 0.2977



66.8422, 0.3307, 0.2912



48.7733, 0.3450, 0.3216



13.1918, 0.3192, 0.3141



10.0887, 0.4360, 0.2175

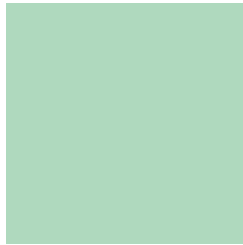


0.6698, 0.4124, 0.2046



# Previews

## White Background



This preview shows how the Yxy color 62.4574, 0.3006, 0.3625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

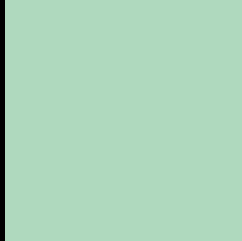
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.4574, 0.3006, 0.3625 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

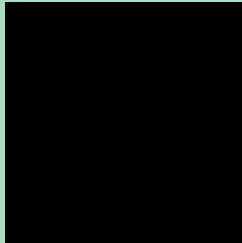
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

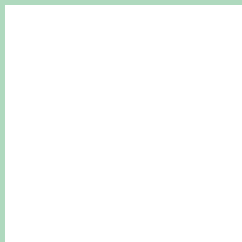
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.4574, 0.3006, 0.3625**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.4574, 0.3006, 0.3625.

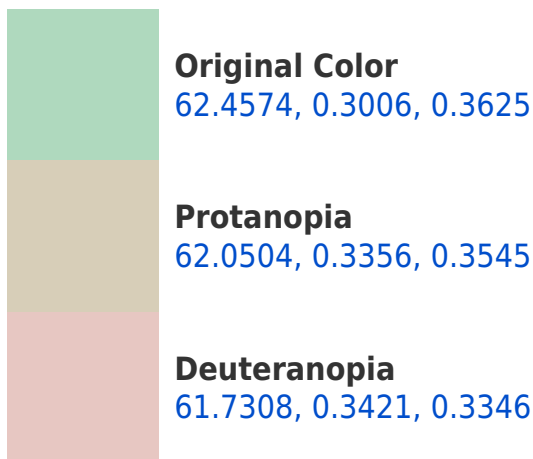


This preview shows how white text looks on a background with the Yxy color 62.4574, 0.3006, 0.3625.

# 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

62.1351, 0.2814, 0.3089

# Trichromacy



## Original Color

62.4574, 0.3006, 0.3625

## Protanomaly

61.9177, 0.3219, 0.3577

## Deuteranomaly

61.8418, 0.3259, 0.3441

## Tritanomaly

62.0272, 0.2881, 0.3277

# Monochromacy



## Original Color

62.4574, 0.3006, 0.3625

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

59.8633, 0.3084, 0.3411

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.4574, 0.3006, 0.3625 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(175, 217, 190)` looks like.

```
.text, #text, p{  
    color:rgb(175, 217, 190)  
}
```

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(175, 217, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 217, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 62.4574, 0.3006, 0.3625 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(175, 217, 190) }
```

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

```
.border{ border-color:rgb(175, 217, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 217, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 217, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 217, 190);  
box-shadow:4px 4px 4px 4px rgb(175, 217,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.4574, 0.3006, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 217, 190) }
```

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

```
.background{ background-color: rgb(175,  
217, 190) }
```

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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