

# Converting Colors

$Yxy(61.3493, 0.2874, 0.3662)$

Have a look what the booklet for  
Yxy(61.3493, 0.2874, 0.3662)  
contains.

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# Color

**Yxy(61.3493, 0.2874, 0.3662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BDBBE
RGB	155, 219, 190
RGB Percent	61%, 86%, 75%
CMY	0.3921, 0.1412, 0.2548
CMYK	0.29, 0.00, 0.13, 0.14
HSL	153°, 47%, 73%
HSV	153°, 29%, 86%
XYZ	48.1480, 61.3493, 58.0322
YIQ	196.5580, -28.8350, -22.5870

# Conversions

## Conversions Part 2

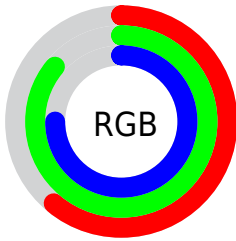
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">155, 196, 219</a>
Decimal	<a href="#">10214334</a>
CIELab	<a href="#">82.57, -26.27, 7.79</a>
CIELCh	<a href="#">83, 27.403, 163.494</a>
Yxy	<a href="#">61.3493, 0.2874, 0.3662</a>
Android (android.graphics.Color)	<a href="#">4288404414 (0xFF9BDBBE)</a>
YUV	<a href="#">196.5580, -3.2331, -36.4464</a>
Hunter-Lab	<a href="#">78.3258, -27.3437, 10.8996</a>

# Details

The Yxy color **61.3493, 0.2874, 0.3662** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.9699, 0.3483, 0.2948**, and the grayscale version is **55.5919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0227, 0.2913, 0.3383**, and **31.1818, 0.2807, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **58.9585, 0.2800, 0.3814**, and if you desaturate by 10%, it is **64.1677, 0.2956, 0.3522**.

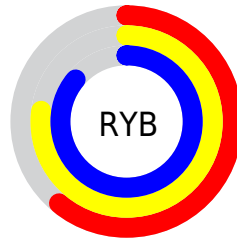
# Distribution



Red (61%)

Green (86%)

Blue (75%)



Red (61%)

Yellow (77%)

Blue (86%)

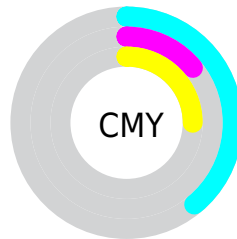


Cyan (29%)

Magenta (0%)

Yellow (13%)

Black (14%)



Cyan (39%)

Magenta (14%)


Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3493, 0.2874, 0.3662 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 61.3493, 0.2874, 0.3662 by changing the saturation by 10% instead.




 61.3493, 0.2874,  
0.3662


 61.3493, 0.2874,  
0.3662


429.5536, 0.2997,  
0.3480

 44.5071, 0.2844,  
0.3706


 106.7845, 0.2918,  
0.3597

 31.0694, 0.2807,  
0.3763


 136.1464, 0.2935,  
0.3572

 20.6517, 0.2758,  
0.3837


170.4502, 0.2949,  
0.3551

 12.8696, 0.2692,  
0.3938

210.0805, 0.2961,  
0.3533

 7.3388, 0.2596,  
0.4085

255.4216, 0.2972,  
0.3517

 3.6749, 0.2449,  
0.4317

306.8579, 0.2981,

 1.4934, 0.2165,

0.3503

0.4749

364.7737, 0.2990,  
0.3491

0.2841, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.3493, 0.2874,  
0.3662

61.3493, 0.2874,  
0.3662

58.9585, 0.2800,  
0.3814

64.1677, 0.2956,  
0.3522

56.9657, 0.2736,  
0.3978

67.4262, 0.3044,  
0.3395

55.3498, 0.2688,  
0.4150

71.1463, 0.3134,  
0.3282

54.0841, 0.2657,  
0.4327

75.3457, 0.3225,  
0.3180

■ 53.1385, 0.2646,  
0.4506

■ 78.1908, 0.3246,  
0.3087

■ 52.4777, 0.2655,  
0.4681

■ 78.7953, 0.3180,  
0.2991

■ 52.0442, 0.2682,  
0.4850

■ 79.1425, 0.3144,  
0.2940

■ 52.0141, 0.2684,  
0.4863

# Harmonies

## Analogous

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



61.3493, 0.3216, 0.3877



61.3493, 0.2874, 0.3662



61.3493, 0.2610, 0.3334

# Triad

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



61.3493, 0.2874, 0.3662



61.3493, 0.2702, 0.2718



61.3493, 0.3818, 0.3502

# Complementary

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



61.3493, 0.2874, 0.3662



41.9699, 0.3483, 0.2948

# 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.



61.3493, 0.3667, 0.3214



61.3493, 0.2874, 0.3662



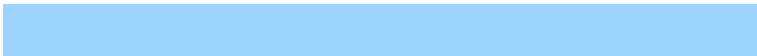
61.3493, 0.3008, 0.2778

# Square

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



61.3493, 0.2874, 0.3662



61.3493, 0.2515, 0.2797



61.3493, 0.3363, 0.2956



61.3493, 0.3771, 0.3757



# Rectangle

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



61.3493, 0.2874, 0.3662



61.3493, 0.2507, 0.3114



61.3493, 0.3363, 0.2956



61.3493, 0.3789, 0.3407

# Sweetspot

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



61.3518, 0.2874, 0.3662



95.2527, 0.3045, 0.3394



63.3287, 0.3303, 0.4083



20.2346, 0.3032, 0.3411



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

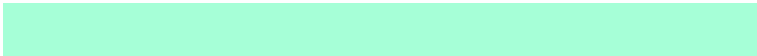


# Same Dimension

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



61.3518, 0.2874, 0.3662



84.4848, 0.2828, 0.3753



61.6418, 0.2704, 0.3262



14.7249, 0.3042, 0.3398



30.8647, 0.2677, 0.4838



2.0169, 0.2600, 0.4562



# Inverse Universe

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



41.9699, 0.3483, 0.2948



52.9061, 0.3584, 0.2873



41.5929, 0.3766, 0.3318



13.1491, 0.3221, 0.3185



9.4876, 0.5148, 0.2610

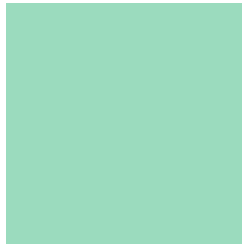


0.6319, 0.4752, 0.2391



# Previews

## White Background



This preview shows how the Yxy color 61.3493, 0.2874, 0.3662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

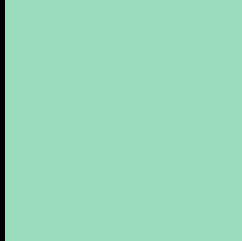
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.3493, 0.2874, 0.3662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

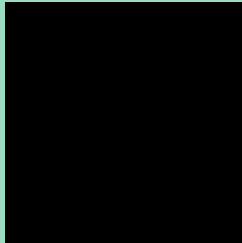
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.3493, 0.2874, 0.3662**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.3493, 0.2874, 0.3662.



This preview shows how white text looks on a background with the Yxy color 61.3493, 0.2874, 0.3662.

# 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

61.3493, 0.2874, 0.3662

### Protanopia

60.8593, 0.3367, 0.3547

### Deuteranopia

60.7772, 0.3399, 0.3336



## Tritanopia

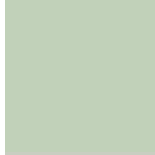
61.0882, 0.2684, 0.3083

# Trichromacy



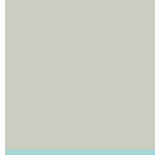
## Original Color

61.3493, 0.2874, 0.3662



## Protanomaly

60.4412, 0.3174, 0.3582



## Deuteranomaly

60.4104, 0.3181, 0.3445



## Tritanomaly

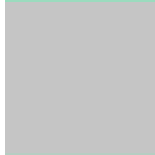
60.9808, 0.2754, 0.3289

# Monochromacy



## Original Color

61.3493, 0.2874, 0.3662



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

57.5028, 0.3031, 0.3426

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.3493, 0.2874, 0.3662 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(155, 219, 190)` looks like.

```
.text, #text, p{  
    color:rgb(155, 219, 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(155, 219, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 219, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 61.3493, 0.2874, 0.3662 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(155, 219, 190) }
```

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

```
.border{ border-color:rgb(155, 219, 190) }
```

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

Here you see how a box with a 4 pixel rgb(155, 219, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 219, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 219, 190);  
box-shadow:4px 4px 4px 4px rgb(155, 219,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.3493, 0.2874, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 219, 190) }
```

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

```
.background{ background-color: rgb(155,  
219, 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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