

# Converting Colors

$Yxy(62.8685, 0.2970, 0.3656)$

Have a look what the booklet for  
Yxy(62.8685, 0.2970, 0.3656)  
contains.

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# Color

**Yxy(62.8158, 0.2965, 0.3653)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9DBBE
RGB	169, 219, 190
RGB Percent	66%, 86%, 75%
CMY	0.3373, 0.1411, 0.2549
CMYK	0.23, 0.00, 0.13, 0.14
HSL	145°, 41%, 76%
HSV	145°, 23%, 86%
XYZ	50.9852, 62.8158, 58.1558
YIQ	200.7440, -20.4910, -19.6190

# Conversions

## Conversions Part 2

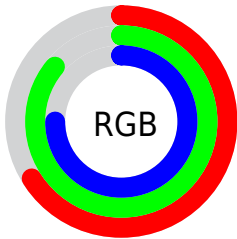
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">169, 204, 219</a>
Decimal	<a href="#">11131838</a>
CIELab	<a href="#">83.35, -21.95, 9.01</a>
CIELCh	<a href="#">83, 23.730, 157.675</a>
Yxy	<a href="#">62.8158, 0.2965, 0.3653</a>
Android (android.graphics.Color)	<a href="#">4289321918 (0xFFA9DBBE)</a>
YUV	<a href="#">200.7440, -5.2968, -27.8395</a>
Hunter-Lab	<a href="#">79.2564, -23.8708, 11.9744</a>

# Details

The Yxy color **62.8158, 0.2965, 0.3653** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.5067, 0.3332, 0.2953**, and the grayscale version is **58.2841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1814, 0.2995, 0.3381**, and **32.0701, 0.2920, 0.3746** is the 20% darker color. If you saturate the color by 10%, you get **60.0647, 0.2900, 0.3841**, and if you desaturate by 10%, it is **66.0262, 0.3035, 0.3483**.

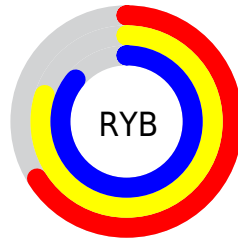
# Distribution



Red (66%)

Green (86%)

Blue (75%)



Red (66%)

Yellow (80%)

Blue (86%)

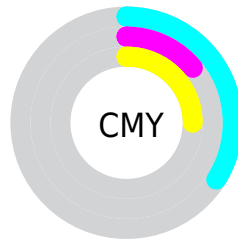


Cyan (23%)

Magenta (0%)

Yellow (13%)

Black (14%)



Cyan (34%)

Magenta (14%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8158, 0.2965, 0.3653 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 62.8158, 0.2965, 0.3653 by changing the saturation by 10% instead.




 62.8158, 0.2965,  
0.3653

 62.8158, 0.2965,  
0.3653


434.9007, 0.3044,  
0.3476

 45.6922, 0.2946,  
0.3696


 108.9037, 0.2993,  
0.3590

 32.0030, 0.2921,  
0.3750


138.6368, 0.3004,  
0.3566

 21.3638, 0.2889,  
0.3822


173.3419, 0.3013,  
0.3545

 13.3902, 0.2846,  
0.3919

213.4034, 0.3021,  
0.3527

 7.6978, 0.2783,  
0.4059

259.2056, 0.3028,  
0.3512

 3.9022, 0.2683,  
0.4279

311.1329, 0.3034,

 1.6190, 0.2506,

0.3499

0.4671

369.5698, 0.3040,  
0.3487

0.3704, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.8158, 0.2965,  
0.3653

62.8158, 0.2965,  
0.3653

60.0647, 0.2900,  
0.3841

66.0262, 0.3035,  
0.3483

57.7436, 0.2843,  
0.4045

69.7080, 0.3107,  
0.3330

55.8319, 0.2796,  
0.4263

73.8826, 0.3179,  
0.3195

54.3041, 0.2764,  
0.4489

78.2659, 0.3238,  
0.3075

■ 53.1319, 0.2749,  
0.4717

■ 79.0505, 0.3154,  
0.2954

■ 52.2826, 0.2753,  
0.4939

■ 79.1475, 0.3144,  
0.2940

■ 51.7170, 0.2777,  
0.5147

■ 51.4410, 0.2801,  
0.5285

# Harmonies

## Analogous

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



62.8158, 0.3264, 0.3809



62.8158, 0.2965, 0.3653



62.8158, 0.2717, 0.3387

# Triad

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



62.8158, 0.2965, 0.3653



62.8158, 0.2719, 0.2798



62.8158, 0.3707, 0.3429

# Complementary

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



62.8158, 0.2965, 0.3653



47.5067, 0.3332, 0.2953

# 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.



62.8158, 0.3548, 0.3179



62.8158, 0.2965, 0.3653



62.8158, 0.2969, 0.2826

# Square

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



62.8158, 0.2965, 0.3653



62.8158, 0.2581, 0.2894



62.8158, 0.3273, 0.2964



62.8158, 0.3702, 0.3659



# Rectangle

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



62.8158, 0.2965, 0.3653



62.8158, 0.2611, 0.3195



62.8158, 0.3273, 0.2964



62.8158, 0.3671, 0.3345

# Sweetspot

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



62.8184, 0.2965, 0.3653



96.1217, 0.3076, 0.3392



65.5594, 0.3311, 0.3888



20.5059, 0.3072, 0.3402



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

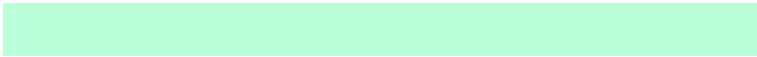


# Same Dimension

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



62.8184, 0.2965, 0.3653



86.8887, 0.2936, 0.3733



63.9985, 0.2815, 0.3340



14.6966, 0.3059, 0.3429



30.5202, 0.2794, 0.5257



1.9942, 0.2703, 0.4931



# Inverse Universe

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



47.5067, 0.3332, 0.2953



61.9355, 0.3381, 0.2886



46.4532, 0.3556, 0.3242



13.1775, 0.3202, 0.3155



9.8601, 0.4616, 0.2316



0.6559, 0.4325, 0.2156



# Previews

## White Background



This preview shows how the Yxy color 62.8158, 0.2965, 0.3653 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

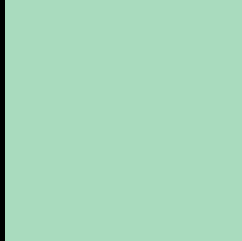
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.8158, 0.2965, 0.3653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

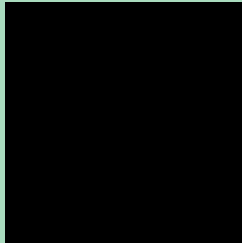
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

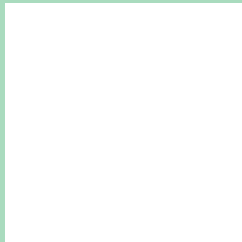
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.8158, 0.2965, 0.3653**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8158, 0.2965, 0.3653.



This preview shows how white text looks on a background with the Yxy color 62.8158, 0.2965, 0.3653.

# 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

62.8158, 0.2965, 0.3653

### Protanopia

62.1604, 0.3372, 0.3556

### Deuteranopia

62.3594, 0.3428, 0.3357



## Tritanopia

62.6488, 0.2771, 0.3088

# Trichromacy



**Original Color**

62.8158, 0.2965, 0.3653

**Protanomaly**

62.2758, 0.3211, 0.3589

**Deuteranomaly**

62.0312, 0.3242, 0.3453

**Tritanomaly**

62.5058, 0.2843, 0.3289

# Monochromacy



**Original Color**

62.8158, 0.2965, 0.3653

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

59.9618, 0.3061, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8158, 0.2965, 0.3653 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(169, 219, 190)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 219, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 219, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8158, 0.2965, 0.3653 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(169, 219, 190) }
```

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

```
.border{ border-color:rgb(169, 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(169, 219, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 219, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 219, 190); box-shadow:4px 4px 4px 4px rgb(169, 219, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8158, 0.2965, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 219, 190) }
```

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

```
.background{ background-color: rgb(169,  
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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