

# Converting Colors

$Yxy(62.4427, 0.2985, 0.3886)$

Have a look what the booklet for  
Yxy(62.4427, 0.2985, 0.3886)  
contains.

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# Color

**Yxy(62.6068, 0.2985, 0.3896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EDEAF
RGB	158, 222, 175
RGB Percent	62%, 87%, 69%
CMY	0.3802, 0.1294, 0.3137
CMYK	0.29, 0.00, 0.21, 0.13
HSL	136°, 49%, 75%
HSV	136°, 29%, 87%
XYZ	47.9675, 62.6068, 50.1208
YIQ	197.5060, -23.0570, -28.1850

# Conversions

## Conversions Part 2

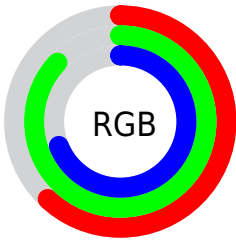
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	158, 209, 222
Decimal	10411695
CIE Lab	83.24, -29.66, 16.67
CIE LCh	83, 34.020, 150.658
Yxy	62.6068, 0.2985, 0.3896
Android (android.graphics.Color)	4288601775 (0xFF9EDEF)
YUV	197.5060, -11.0955, -34.6468
Hunter-Lab	79.1245, -30.2561, 17.8303

# Details

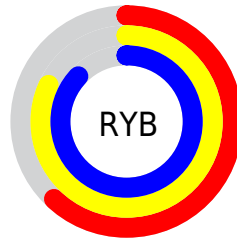
The Yxy color **62.6068, 0.2985, 0.3896** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.4077, 0.3309, 0.2753**, and the grayscale version is **56.2431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5857, 0.3012, 0.3541**, and **32.0458, 0.2947, 0.4078** is the 20% darker color. If you saturate the color by 10%, you get **59.9543, 0.2941, 0.4151**, and if you desaturate by 10%, it is **65.7486, 0.3033, 0.3663**.

# Distribution



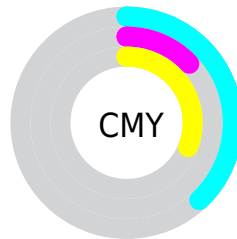
- Red (62%)
- Green (87%)
- Blue (69%)



- Red (62%)
- Yellow (82%)
- Blue (87%)



- Cyan (29%)
- Magenta (0%)
- Yellow (21%)
- Black (13%)




- Cyan (38%)
- Magenta (13%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6068, 0.2985, 0.3896 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 62.6068, 0.2985, 0.3896 by changing the saturation by 10% instead.



 62.6068, 0.2985,  
0.3896

 62.6068, 0.2985,  
0.3896


434.1411, 0.3059,  
0.3596

 45.5232, 0.2966,  
0.3970


 108.6020, 0.3012,  
0.3788

 31.8697, 0.2941,  
0.4064


 138.2825, 0.3022,  
0.3747

 21.2620, 0.2908,  
0.4188


172.9306, 0.3031,  
0.3712

 13.3157, 0.2861,  
0.4359

212.9309, 0.3038,  
0.3682

 7.6463, 0.2788,  
0.4608

258.6677, 0.3044,  
0.3657

 3.8694, 0.2666,  
0.5003

310.5254, 0.3050,

 1.6008, 0.2477,

0.3634

0.5930

368.8884, 0.3054,  
0.3614

0.3581, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.6068, 0.2985,  
0.3896

62.6068, 0.2985,  
0.3896

59.9543, 0.2941,  
0.4151

65.7486, 0.3033,  
0.3663

57.7586, 0.2904,  
0.4423

69.3947, 0.3083,  
0.3454

55.9954, 0.2878,  
0.4705

73.5691, 0.3133,  
0.3269

54.6351, 0.2864,  
0.4985

78.2920, 0.3182,  
0.3107

■ 53.6440, 0.2866,  
0.5248

■ 80.7198, 0.3142,  
0.2970

■ 52.9827, 0.2883,  
0.5482

■ 52.5922, 0.2911,  
0.5673

■ 52.5546, 0.2915,  
0.5693

# Harmonies

## Analogous

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



62.6068, 0.3413, 0.4066



62.6068, 0.2985, 0.3896



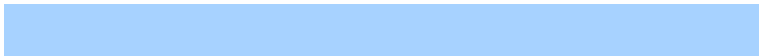
62.6068, 0.2612, 0.3524

# Triad

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



62.6068, 0.2985, 0.3896



62.6068, 0.2489, 0.2612



62.6068, 0.3930, 0.3391

# Complementary

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



62.6068, 0.2985, 0.3896



44.4077, 0.3309, 0.2753

# 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.



62.6068, 0.3649, 0.3051



62.6068, 0.2985, 0.3896



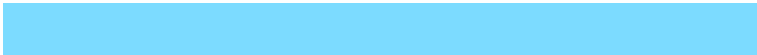
62.6068, 0.2804, 0.2618

# Square

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



62.6068, 0.2985, 0.3896



62.6068, 0.2342, 0.2776



62.6068, 0.3227, 0.2777



62.6068, 0.3976, 0.3730



# Rectangle

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



62.6068, 0.2985, 0.3896



62.6068, 0.2441, 0.3238



62.6068, 0.3227, 0.2777



62.6068, 0.3860, 0.3274

# Sweetspot

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



62.6094, 0.2985, 0.3896



94.8654, 0.3082, 0.3459



67.8329, 0.3438, 0.4038



20.1395, 0.3074, 0.3489



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

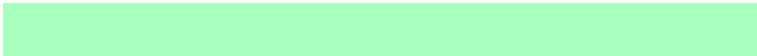


# Same Dimension

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



62.6094, 0.2985, 0.3896



83.2929, 0.2956, 0.4059



63.9703, 0.2801, 0.3488



15.3967, 0.3080, 0.3467



31.2338, 0.2908, 0.5669



2.1796, 0.2824, 0.5365



# Inverse Universe

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



44.4077, 0.3309, 0.2753



54.2291, 0.3361, 0.2630



43.0559, 0.3603, 0.3102



13.8703, 0.3178, 0.3119



10.8162, 0.4015, 0.1985

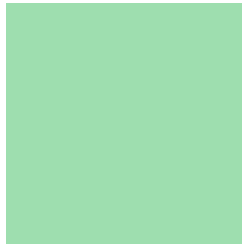


0.7643, 0.3863, 0.1902



# Previews

## White Background



This preview shows how the Yxy color 62.6068, 0.2985, 0.3896 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 62.6068, 0.2985, 0.3896 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

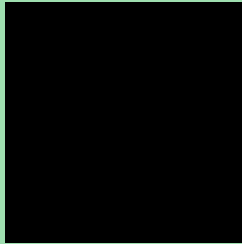
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

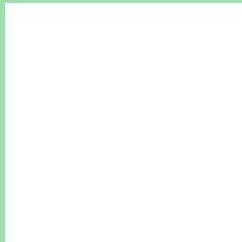
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.6068, 0.2985, 0.3896**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6068, 0.2985, 0.3896.



This preview shows how white text looks on a background with the Yxy color 62.6068, 0.2985, 0.3896.

# 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

62.6068, 0.2985, 0.3896

### Protanopia

61.9927, 0.3516, 0.3741

### Deuteranopia

61.9750, 0.3573, 0.3501



## **Tritanopia**

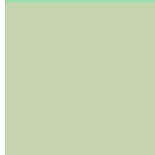
62.2977, 0.2716, 0.3086

# Trichromacy



## Original Color

62.6068, 0.2985, 0.3896



## Protanomaly

61.8596, 0.3306, 0.3799



## Deuteranomaly

61.2499, 0.3343, 0.3633



## Tritanomaly

62.3282, 0.2811, 0.3363

# Monochromacy



## Original Color

62.6068, 0.2985, 0.3896



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

58.4106, 0.3065, 0.3501

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6068, 0.2985, 0.3896 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(158, 222, 175)` looks like.

```
.text, #text, p{  
    color:rgb(158, 222, 175)  
}
```

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(158, 222, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 222, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6068, 0.2985, 0.3896 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(158, 222, 175) }
```

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

```
.border{ border-color:rgb(158, 222, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 222, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 222, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 222, 175);  
box-shadow:4px 4px 4px 4px rgb(158, 222,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6068, 0.2985, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 222, 175) }
```

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

```
.background{ background-color: rgb(158,  
222, 175) }
```

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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