

# Converting Colors

$Yxy(55.9492, 0.2895, 0.3766)$

Have a look what the booklet for  
Yxy(55.9492, 0.2895, 0.3766)  
contains.

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# Color

**Yxy(55.8341, 0.2896, 0.3762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92D3B0
RGB	146, 211, 176
RGB Percent	57%, 83%, 69%
CMY	0.4276, 0.1725, 0.3097
CMYK	0.31, 0.00, 0.17, 0.17
HSL	148°, 43%, 70%
HSV	148°, 31%, 83%
XYZ	42.9813, 55.8341, 49.6006
YIQ	187.5750, -27.5050, -24.6650

# Conversions

## Conversions Part 2

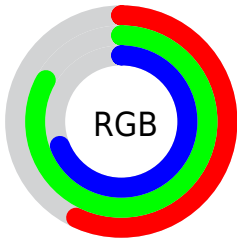
Format	Color
<b>RYB</b>	146, 190, 211
Decimal	9622448
CIELab	79.52, -27.94, 10.80
CIELCh	80, 29.955, 158.866
Yxy	55.8341, 0.2896, 0.3762
Android (android.graphics.Color)	4287812528 (0xFF92D3B0)
YUV	187.5750, -5.7065, -36.4613
Hunter-Lab	74.7222, -28.0882, 12.9488

# Details

The Yxy color **55.8341, 0.2896, 0.3762** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.7289, 0.3451, 0.2863**, and the grayscale version is **50.0778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7637, 0.2931, 0.3535**, and **27.5342, 0.2833, 0.3905** is the 20% darker color. If you saturate the color by 10%, you get **53.6478, 0.2832, 0.3947**, and if you desaturate by 10%, it is **58.4194, 0.2967, 0.3592**.

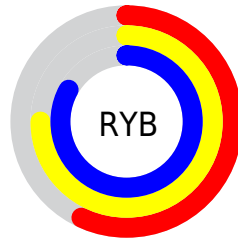
# Distribution



Red (57%)

Green (83%)

Blue (69%)



Red (57%)

Yellow (75%)

Blue (83%)

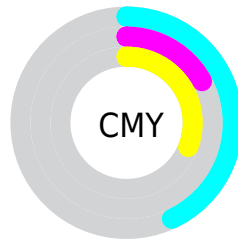


Cyan (31%)

Magenta (0%)

Yellow (17%)

Black (17%)



Cyan (43%)

Magenta (17%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8341, 0.2896, 0.3762 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 55.8341, 0.2896, 0.3762 by changing the saturation by 10% instead.




 55.8341, 0.2896,  
0.3762

 55.8341, 0.2896,  
0.3762


409.0660, 0.3012,  
0.3525

 40.0699, 0.2867,  
0.3821

 98.7620, 0.2938,  
0.3676

 27.5931, 0.2830,  
0.3897


 126.6945, 0.2954,  
0.3644

 18.0191, 0.2781,  
0.3999


159.4518, 0.2967,  
0.3616

 10.9637, 0.2712,  
0.4140

197.4185, 0.2979,  
0.3593

 6.0424, 0.2609,  
0.4352

240.9789, 0.2989,  
0.3573

 2.8709, 0.2441,  
0.4700

290.5173, 0.2997,

 1.0647, 0.1799,

0.3555

0.5993

346.4182, 0.3005,  
0.3539

0.0000, 0.0000,  
0.0000

55.8341, 0.2896,  
0.3762

55.8341, 0.2896,  
0.3762

53.6478, 0.2832,  
0.3947

58.4194, 0.2967,  
0.3592

51.8330, 0.2779,  
0.4145

61.4159, 0.3043,  
0.3438

50.3695, 0.2741,  
0.4353


64.8435, 0.3121,  
0.3301


49.2323, 0.2719,  
0.4564

68.7191, 0.3199,  
0.3179

48.3928, 0.2717,  
0.4774

73.0585, 0.3276,  
0.3071

 47.8171, 0.2734,  
0.4975

 74.3918, 0.3222,  
0.2963

 47.4667, 0.2763,  
0.5148

 75.0735, 0.3147,  
0.2861

# Harmonies

## Analogous

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



55.8341, 0.3285, 0.3976



55.8341, 0.2896, 0.3762



55.8341, 0.2582, 0.3398

# Triad

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



55.8341, 0.2896, 0.3762



55.8341, 0.2607, 0.2652



55.8341, 0.3896, 0.3474

# Complementary

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



55.8341, 0.2896, 0.3762



37.7289, 0.3451, 0.2863

# 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.



55.8341, 0.3692, 0.3154



55.8341, 0.2896, 0.3762



55.8341, 0.2932, 0.2698

# Square

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



55.8341, 0.2896, 0.3762



55.8341, 0.2424, 0.2762



55.8341, 0.3331, 0.2878



55.8341, 0.3876, 0.3773



# Rectangle

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



55.8341, 0.2896, 0.3762



55.8341, 0.2452, 0.3143



55.8341, 0.3331, 0.2878



55.8341, 0.3851, 0.3367

# Sweetspot

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



55.8364, 0.2896, 0.3762



95.1347, 0.3056, 0.3413



58.5805, 0.3354, 0.4118



20.2056, 0.3045, 0.3435



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

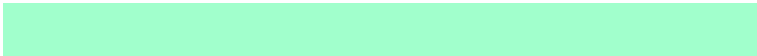


# Same Dimension

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



55.8364, 0.2896, 0.3762



83.4331, 0.2853, 0.3882



57.2428, 0.2706, 0.3331



13.2959, 0.3054, 0.3418



28.6634, 0.2756, 0.5120



1.6186, 0.2657, 0.4767



# Inverse Universe

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



37.7289, 0.3451, 0.2863



51.3500, 0.3545, 0.2770



36.5719, 0.3785, 0.3251



11.9130, 0.3208, 0.3166



9.1045, 0.4786, 0.2410



0.5250, 0.4419, 0.2208



# Previews

## White Background



This preview shows how the Yxy color 55.8341, 0.2896, 0.3762 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

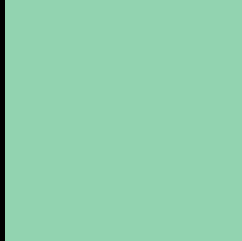
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.8341, 0.2896, 0.3762 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

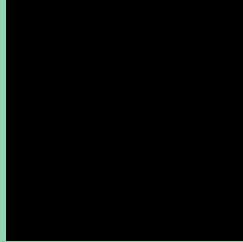
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.8341, 0.2896, 0.3762**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8341, 0.2896, 0.3762.

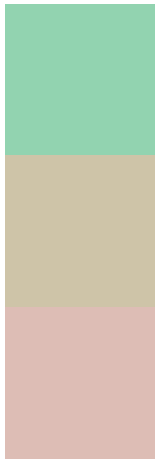


This preview shows how white text looks on a background with the Yxy color 55.8341, 0.2896, 0.3762.

# 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

55.8341, 0.2896, 0.3762

### Protanopia

55.4288, 0.3423, 0.3630

### Deuteranopia

55.1035, 0.3461, 0.3384



## Tritanopia

55.8517, 0.2676, 0.3088

# Trichromacy



**Original Color**

55.8341, 0.2896, 0.3762

**Protanomaly**

54.9039, 0.3211, 0.3672

**Deuteranomaly**

54.6565, 0.3237, 0.3514

**Tritanomaly**

55.7088, 0.2754, 0.3315

# Monochromacy



**Original Color**

55.8341, 0.2896, 0.3762

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

51.8248, 0.3034, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8341, 0.2896, 0.3762 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(146, 211, 176)` looks like.

```
.text, #text, p{  
    color:rgb(146, 211, 176)  
}
```

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(146, 211, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 211, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8341, 0.2896, 0.3762 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(146, 211, 176) }
```

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

```
.border{ border-color:rgb(146, 211, 176) }
```

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

Here you see how a box with a 4 pixel rgb(146, 211, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 211, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 211, 176);  
box-shadow:4px 4px 4px 4px rgb(146, 211,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8341, 0.2896, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 211, 176) }
```

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

```
.background{ background-color: rgb(146,  
211, 176) }
```

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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