

# Converting Colors

Yxy(55.3615, 0.3081, 0.3926)

Have a look what the booklet for  
Yxy(55.3615, 0.3081, 0.3926)  
contains.

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# Color

**Yxy(55.5451, 0.3082, 0.3933)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD1A1
RGB	159, 209, 161
RGB Percent	62%, 82%, 63%
CMY	0.3766, 0.1803, 0.3685
CMYK	0.24, 0.00, 0.23, 0.18
HSL	122°, 35%, 72%
HSV	122°, 24%, 82%
XYZ	43.5266, 55.5451, 42.1567
YIQ	188.5780, -14.3920, -25.5280

# Conversions

## Conversions Part 2

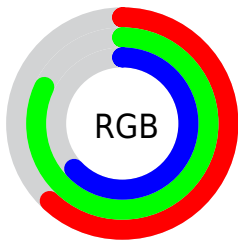
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">159, 207, 209</a>
Decimal	<a href="#">10473889</a>
CIELab	<a href="#">79.35, -25.61, 18.63</a>
CIELCh	<a href="#">79, 31.674, 143.961</a>
Yxy	<a href="#">55.5451, 0.3082, 0.3933</a>
Android (android.graphics.Color)	<a href="#">4288663969 (0xFF9FD1A1)</a>
YUV	<a href="#">188.5780, -13.5960, -25.9399</a>
Hunter-Lab	<a href="#">74.5286, -26.1765, 18.6330</a>

# Details

The Yxy color **55.5451, 0.3082, 0.3933** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.8402, 0.3173, 0.2721**, and the grayscale version is **50.7179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7740, 0.3096, 0.3703**, and **27.2795, 0.3060, 0.4120** is the 20% darker color. If you saturate the color by 10%, you get **52.9376, 0.3062, 0.4254**, and if you desaturate by 10%, it is **58.6318, 0.3102, 0.3642**.

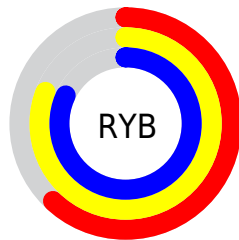
# Distribution



Red (62%)

Green (82%)

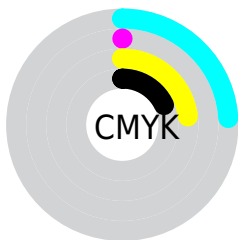
Blue (63%)



Red (62%)

Yellow (81%)

Blue (82%)

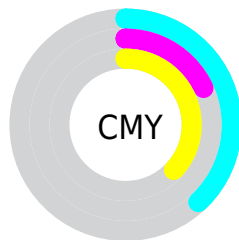


Cyan (24%)

Magenta (0%)

Yellow (23%)

Black (18%)



Cyan (38%)

Magenta (18%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5451, 0.3082, 0.3933 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 55.5451, 0.3082, 0.3933 by changing the saturation by 10% instead.





 55.5451, 0.3082,  
0.3933


 55.5451, 0.3082,  
0.3933


407.9749, 0.3110,  
0.3609

 39.8383, 0.3073,  
0.4015

 98.3392, 0.3094,  
0.3814

 27.4125, 0.3061,  
0.4120


 126.1952, 0.3098,  
0.3770

 17.8833, 0.3042,  
0.4261


158.8698, 0.3101,  
0.3733

 10.8662, 0.3013,  
0.4457

196.7474, 0.3103,  
0.3701

 5.9769, 0.2963,  
0.4751

240.2123, 0.3106,  
0.3673

 2.8311, 0.2863,  
0.5231

289.6489, 0.3107,

 1.0442, 0.2559,

0.3649

0.7441

345.4416, 0.3109,  
0.3627

0.0000, 0.0000,  
0.0000

55.5451, 0.3082,  
0.3933

55.5451, 0.3082,  
0.3933

52.9376, 0.3062,  
0.4254

58.6318, 0.3102,  
0.3642

50.7788, 0.3042,  
0.4596

62.2126, 0.3120,  
0.3383

49.0454, 0.3023,  
0.4943

66.3105, 0.3137,  
0.3157

47.7093, 0.3008,  
0.5274

70.9447, 0.3153,  
0.2962

46.7389, 0.2998,  
0.5563

74.0869, 0.3148,  
0.2841

■ 46.0981, 0.2993,  
0.5787

■ 45.7432, 0.2994,  
0.5929

■ 45.6259, 0.2994,  
0.5978

# Harmonies

## Analogous

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



55.5451, 0.3494, 0.4044



55.5451, 0.3082, 0.3933



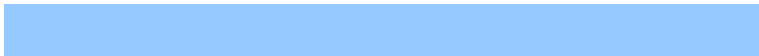
55.5451, 0.2699, 0.3607

# Triad

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



55.5451, 0.3082, 0.3933



55.5451, 0.2460, 0.2653



55.5451, 0.3862, 0.3313

# Complementary

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



55.5451, 0.3082, 0.3933



42.8402, 0.3173, 0.2721

# 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.



55.5451, 0.3549, 0.2992



55.5451, 0.3082, 0.3933



55.5451, 0.2734, 0.2622

# Square

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



55.5451, 0.3082, 0.3933



55.5451, 0.2357, 0.2851



55.5451, 0.3129, 0.2746



55.5451, 0.3961, 0.3649



# Rectangle

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



55.5451, 0.3082, 0.3933



55.5451, 0.2509, 0.3333



55.5451, 0.3129, 0.2746



55.5451, 0.3777, 0.3201

# Sweetspot

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



55.5475, 0.3082, 0.3933



95.7168, 0.3115, 0.3460



61.4236, 0.3473, 0.3886



20.4123, 0.3113, 0.3476



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

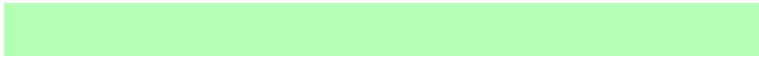


# Same Dimension

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



55.5475, 0.3082, 0.3933



84.8151, 0.3071, 0.4103



56.5037, 0.2922, 0.3595



13.2141, 0.3110, 0.3520



28.1314, 0.2992, 0.5971



1.5758, 0.2966, 0.5876



# Inverse Universe

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



42.8402, 0.3173, 0.2721



61.3526, 0.3184, 0.2593



41.7285, 0.3396, 0.3004



12.0003, 0.3144, 0.3070



10.9429, 0.3315, 0.1600



0.6145, 0.3294, 0.1588



# Previews

## White Background



This preview shows how the Yxy color 55.5451, 0.3082, 0.3933 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 55.5451, 0.3082, 0.3933 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

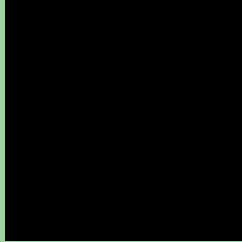
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.5451, 0.3082, 0.3933**

## Background



This preview shows how black text looks on a background with the Yxy color 55.5451, 0.3082, 0.3933.



This preview shows how white text looks on a background with the Yxy color 55.5451, 0.3082, 0.3933.

# 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

55.5451, 0.3082, 0.3933

### Protanopia

55.2563, 0.3542, 0.3788

### Deuteranopia

54.8518, 0.3640, 0.3557



## Tritanopia

55.2703, 0.2780, 0.3078

# Trichromacy



## Original Color

55.5451, 0.3082, 0.3933

## Protanomaly

55.1548, 0.3363, 0.3847

## Deuteranomaly

54.7167, 0.3420, 0.3684

## Tritanomaly

55.2163, 0.2888, 0.3379

# Monochromacy



## Original Color

55.5451, 0.3082, 0.3933

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

52.1995, 0.3109, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.5451, 0.3082, 0.3933 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(159, 209, 161)` looks like.

```
.text, #text, p{  
    color:rgb(159, 209, 161)  
}
```

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(159, 209, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 209, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 55.5451, 0.3082, 0.3933 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(159, 209, 161) }
```

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

```
.border{ border-color:rgb(159, 209, 161) }
```

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

Here you see how a box with a 4 pixel rgb(159, 209, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 209, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 209, 161);  
box-shadow:4px 4px 4px 4px rgb(159, 209,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.5451, 0.3082, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 209, 161) }
```

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

```
.background{ background-color: rgb(159,  
209, 161) }
```

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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