

# Converting Colors

$Yxy(54.7213, 0.2913, 0.3617)$

Have a look what the booklet for  
Yxy(54.7213, 0.2913, 0.3617)  
contains.

<b>Yxy(54.8731, 0.2910, 0.3622)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(54.8731, 0.2910, 0.3622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ACFB6
RGB	154, 207, 182
RGB Percent	60%, 81%, 71%
CMY	0.3960, 0.1882, 0.2862
CMYK	0.26, 0.00, 0.12, 0.19
HSL	152°, 36%, 71%
HSV	152°, 26%, 81%
XYZ	44.0863, 54.8731, 52.5400
YIQ	188.3030, -23.5630, -19.0110

# Conversions

## Conversions Part 2

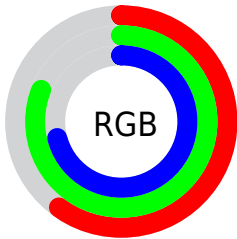
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 189, 207
Decimal	10145718
CIELab	78.97, -22.30, 6.87
CIELCh	79, 23.336, 162.884
Yxy	54.8731, 0.2910, 0.3622
Android (android.graphics.Color)	4288335798 (0xFF9ACFB6)
YUV	188.3030, -3.1074, -30.0837
Hunter-Lab	74.0764, -23.3999, 9.8010

# Details

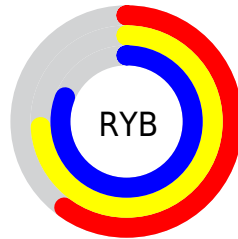
The Yxy color **54.8731, 0.2910, 0.3622** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6336, 0.3417, 0.2981**, and the grayscale version is **50.5018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2484, 0.2945, 0.3468**, and **26.8662, 0.2855, 0.3711** is the 20% darker color. If you saturate the color by 10%, you get **52.6267, 0.2835, 0.3776**, and if you desaturate by 10%, it is **57.5024, 0.2992, 0.3482**.

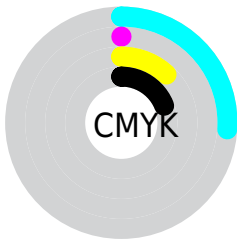
# Distribution



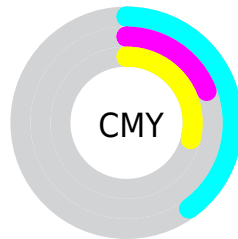
- Red (60%)
- Green (81%)
- Blue (71%)



- Red (60%)
- Yellow (74%)
- Blue (81%)



- Cyan (26%)
- Magenta (0%)
- Yellow (12%)
- Black (19%)




- Cyan (40%)
- Magenta (19%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8731, 0.2910, 0.3622 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 54.8731, 0.2910, 0.3622 by changing the saturation by 10% instead.





 54.8731, 0.2910,  
0.3622

 54.8731, 0.2910,  
0.3622


405.4307, 0.3017,  
0.3457

 39.3001, 0.2884,  
0.3663

 97.3550, 0.2949,  
0.3562

 26.9933, 0.2850,  
0.3716


 125.0327, 0.2963,  
0.3540

 17.5682, 0.2805,  
0.3786

157.5142, 0.2976,  
0.3520

 10.6404, 0.2743,  
0.3883

195.1837, 0.2986,  
0.3504

 5.8256, 0.2653,  
0.4027

238.4257, 0.2996,  
0.3490

 2.7393, 0.2507,  
0.4264

287.6246, 0.3004,

 0.9972, 0.1999,

0.3477

0.4993

343.1648, 0.3011,  
0.3466

0.0000, 0.0000,  
0.0000

54.8731, 0.2910,  
0.3622

54.8731, 0.2910,  
0.3622

52.6267, 0.2835,  
0.3776

57.5024, 0.2992,  
0.3482

50.7379, 0.2769,  
0.3942

60.5249, 0.3078,  
0.3355

49.1887, 0.2716,  
0.4118

63.9592, 0.3166,  
0.3242

47.9569, 0.2680,  
0.4300

67.8204, 0.3253,  
0.3142

47.0176, 0.2662,  
0.4486

71.6439, 0.3320,  
0.3052

■ 46.3417, 0.2665,  
0.4669

■ 72.2099, 0.3250,  
0.2957

■ 45.8938, 0.2687,  
0.4846

■ 72.8071, 0.3181,  
0.2865

■ 45.7398, 0.2700,  
0.4921

■ 73.1057, 0.3149,  
0.2821

# Harmonies

## Analogous

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



54.8731, 0.3214, 0.3808



54.8731, 0.2910, 0.3622



54.8731, 0.2672, 0.3337

# Triad

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



54.8731, 0.2910, 0.3622



54.8731, 0.2745, 0.2781



54.8731, 0.3736, 0.3477

# Complementary

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



54.8731, 0.2910, 0.3622



39.6336, 0.3417, 0.2981

# 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.



54.8731, 0.3599, 0.3219



54.8731, 0.2910, 0.3622



54.8731, 0.3016, 0.2831

# Square

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



54.8731, 0.2910, 0.3622



54.8731, 0.2581, 0.2857



54.8731, 0.3331, 0.2989



54.8731, 0.3699, 0.3703



# Rectangle

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



54.8731, 0.2910, 0.3622



54.8731, 0.2578, 0.3143



54.8731, 0.3331, 0.2989



54.8731, 0.3709, 0.3391

# Sweetspot

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



54.8754, 0.2910, 0.3622



95.7304, 0.3056, 0.3385



56.6171, 0.3289, 0.3972



20.3287, 0.3043, 0.3404



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

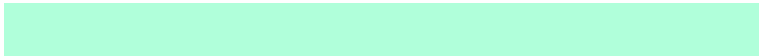


# Same Dimension

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



54.8754, 0.2910, 0.3622



85.7933, 0.2865, 0.3709



55.5749, 0.2754, 0.3278



13.3093, 0.3045, 0.3402



28.8374, 0.2694, 0.4898



1.6284, 0.2605, 0.4576



# Inverse Universe

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



39.6336, 0.3417, 0.2981



57.1052, 0.3503, 0.2908



39.0059, 0.3664, 0.3303



11.8997, 0.3218, 0.3181



8.9267, 0.5066, 0.2564



0.5151, 0.4637, 0.2328



# Previews

## White Background



This preview shows how the Yxy color 54.8731, 0.2910, 0.3622 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

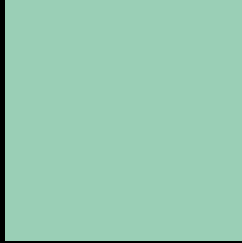
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8731, 0.2910, 0.3622 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

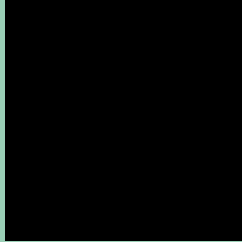
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

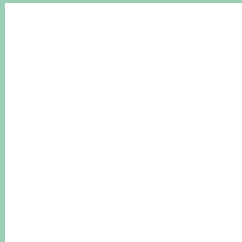
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.8731, 0.2910, 0.3622**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8731, 0.2910, 0.3622.



This preview shows how white text looks on a background with the Yxy color 54.8731, 0.2910, 0.3622.

# 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

54.8731, 0.2910, 0.3622

### Protanopia

54.3752, 0.3347, 0.3523

### Deuteranopia

54.2633, 0.3387, 0.3314



## Tritanopia

54.8801, 0.2727, 0.3088

# Trichromacy



## Original Color

54.8731, 0.2910, 0.3622

## Protanomaly

54.3755, 0.3170, 0.3556

## Deuteranomaly

54.0023, 0.3194, 0.3414

## Tritanomaly

54.8626, 0.2789, 0.3276

# Monochromacy



## Original Color

54.8731, 0.2910, 0.3622

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.8055, 0.3043, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8731, 0.2910, 0.3622 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(154, 207, 182)` looks like.

```
.text, #text, p{  
    color:rgb(154, 207, 182)  
}
```

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(154, 207, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 207, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8731, 0.2910, 0.3622 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(154, 207, 182) }
```

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

```
.border{ border-color:rgb(154, 207, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 207, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 207, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 207, 182); box-shadow:4px 4px 4px 4px rgb(154, 207, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8731, 0.2910, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 207, 182) }
```

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

```
.background{ background-color: rgb(154,  
207, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor