

# Converting Colors

Yxy(55.3658, 0.3050, 0.3437)

Have a look what the booklet for  
Yxy(55.3658, 0.3050, 0.3437)  
contains.

<b>Yxy(55.1943, 0.3044, 0.3429)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.1943, 0.3044, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4C9BE
RGB	180, 201, 190
RGB Percent	71%, 79%, 75%
CMY	0.2942, 0.2117, 0.2550
CMYK	0.10, 0.00, 0.05, 0.21
HSL	149°, 16%, 75%
HSV	149°, 10%, 79%
XYZ	48.9972, 55.1943, 56.7717
YIQ	193.4670, -8.9850, -7.8730

# Conversions

## Conversions Part 2

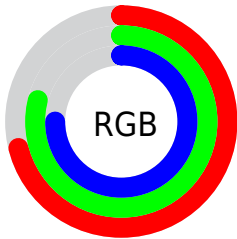
Format	Color
<a href="#">RYB</a>	<a href="#">180, 194, 201</a>
Decimal	<a href="#">11848126</a>
CIELab	<a href="#">79.15, -9.23, 3.08</a>
CIElCh	<a href="#">79, 9.733, 161.529</a>
Yxy	<a href="#">55.1943, 0.3044, 0.3429</a>
Android (android.graphics.Color)	<a href="#">4290038206 (0xFFB4C9BE)</a>
YUV	<a href="#">193.4670, -1.7092, -11.8106</a>
Hunter-Lab	<a href="#">74.2929, -12.2892, 6.6979</a>

# Details

The Yxy color **55.1943, 0.3044, 0.3429** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.8156, 0.3219, 0.3155**, and the grayscale version is **53.6302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0067, 0.3062, 0.3379**, and **27.1856, 0.3017, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **52.5122, 0.2967, 0.3578**, and if you desaturate by 10%, it is **58.2643, 0.3123, 0.3296**.

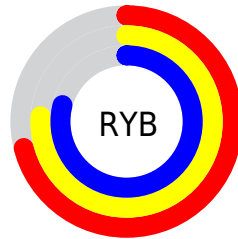
# Distribution



Red (71%)

Green (79%)

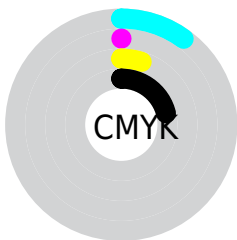
Blue (75%)



Red (71%)

Yellow (76%)

Blue (79%)

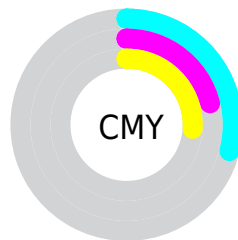


Cyan (10%)

Magenta (0%)

Yellow (5%)

Black (21%)



Cyan (29%)

Magenta (21%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1943, 0.3044, 0.3429 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 55.1943, 0.3044, 0.3429 by changing the saturation by 10% instead.





 55.1943, 0.3044,  
0.3429

 55.1943, 0.3044,  
0.3429


406.6480, 0.3085,  
0.3361

 39.5573, 0.3034,  
0.3446

 97.8256, 0.3059,  
0.3404

 27.1936, 0.3021,  
0.3467


125.5886, 0.3064,  
0.3395

 17.7186, 0.3005,  
0.3495


158.1625, 0.3069,  
0.3387

 10.7482, 0.2982,  
0.3533

195.9316, 0.3073,  
0.3381

 5.8978, 0.2949,  
0.3589

239.2803, 0.3077,  
0.3375

 2.7830, 0.2896,  
0.3679

288.5930, 0.3080,

 1.0195, 0.2789,

0.3369

0.3855

344.2541, 0.3082,  
0.3365

0.0000, 0.0000,  
0.0000

55.1943, 0.3044,  
0.3429

55.1943, 0.3044,  
0.3429

52.5122, 0.2967,  
0.3578

58.2643, 0.3123,  
0.3296

50.1954, 0.2894,  
0.3742

61.7299, 0.3203,  
0.3178

48.2292, 0.2829,  
0.3921


65.6075, 0.3282,  
0.3073

46.5956, 0.2774,  
0.4113


68.8748, 0.3317,  
0.2978

45.2748, 0.2733,  
0.4314


69.4929, 0.3239,  
0.2876


 44.2447, 0.2710,  
0.4520

 70.1477, 0.3164,  
0.2778

 43.4801, 0.2706,  
0.4725

 70.2592, 0.3152,  
0.2762

 42.9516, 0.2721,  
0.4922

 42.6152, 0.2750,  
0.5100

# Harmonies

## Analogous

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



55.1943, 0.3173, 0.3501



55.1943, 0.3044, 0.3429



55.1943, 0.2939, 0.3318

# Triad

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



55.1943, 0.3044, 0.3429



55.1943, 0.2963, 0.3073



55.1943, 0.3377, 0.3370

# Complementary

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



55.1943, 0.3044, 0.3429



48.8156, 0.3219, 0.3155

# 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.



55.1943, 0.3318, 0.3259



55.1943, 0.3044, 0.3429



55.1943, 0.3078, 0.3090

# Square

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



55.1943, 0.3044, 0.3429



55.1943, 0.2893, 0.3113



55.1943, 0.3208, 0.3157



55.1943, 0.3367, 0.3464



# Rectangle

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



55.1943, 0.3044, 0.3429



55.1943, 0.2896, 0.3239



55.1943, 0.3208, 0.3157



55.1943, 0.3364, 0.3333

# Sweetspot

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



55.1966, 0.3044, 0.3429



98.3220, 0.3103, 0.3329



56.1756, 0.3203, 0.3551



20.9512, 0.3096, 0.3339



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

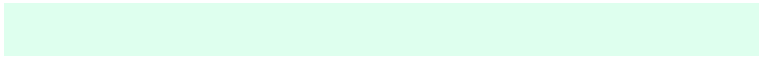


# Same Dimension

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



55.1966, 0.3044, 0.3429



93.1758, 0.3023, 0.3468



55.6647, 0.2973, 0.3298



11.9704, 0.3053, 0.3414



26.8093, 0.2743, 0.5074



1.2840, 0.2632, 0.4677



# Inverse Universe

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



48.8156, 0.3219, 0.3155



79.6694, 0.3247, 0.3119



48.3764, 0.3305, 0.3282



10.7284, 0.3209, 0.3169



8.4737, 0.4836, 0.2438



0.4158, 0.4407, 0.2201



# Previews

## White Background



This preview shows how the Yxy color 55.1943, 0.3044, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

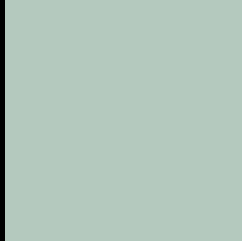
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.1943, 0.3044, 0.3429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

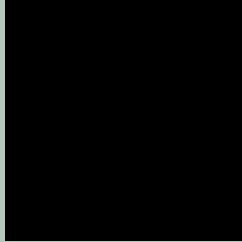
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

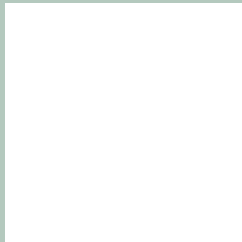
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.1943, 0.3044, 0.3429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1943, 0.3044, 0.3429.



This preview shows how white text looks on a background with the Yxy color 55.1943, 0.3044, 0.3429.

# 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

55.1943, 0.3044, 0.3429

### Protanopia

55.0356, 0.3236, 0.3387

### Deuteranopia

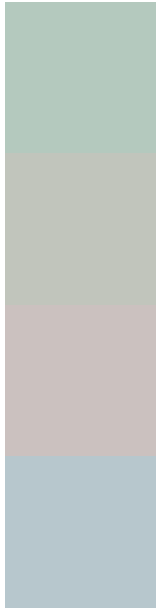
54.7999, 0.3329, 0.3256



## Tritanopia

55.3826, 0.2916, 0.3107

# Trichromacy



**Original Color**

55.1943, 0.3044, 0.3429

**Protanomaly**

54.9008, 0.3162, 0.3401

**Deuteranomaly**

54.5980, 0.3224, 0.3314

**Tritanomaly**

55.3219, 0.2963, 0.3216

# Monochromacy



**Original Color**

55.1943, 0.3044, 0.3429

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

53.9770, 0.3093, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1943, 0.3044, 0.3429 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(180, 201, 190)` looks like.

```
.text, #text, p{  
    color:rgb(180, 201, 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(180, 201, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 201, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1943, 0.3044, 0.3429 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(180, 201, 190) }
```

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

```
.border{ border-color:rgb(180, 201, 190) }
```

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

Here you see how a box with a 4 pixel rgb(180, 201, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 201, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 201, 190);  
box-shadow:4px 4px 4px 4px rgb(180, 201,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1943, 0.3044, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 201, 190) }
```

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

```
.background{ background-color: rgb(180,  
201, 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](#).

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