

# Converting Colors

Yxy(53.4326, 0.3109, 0.3513)

Have a look what the booklet for  
Yxy(53.4326, 0.3109, 0.3513)  
contains.

<b>Yxy(53.4277, 0.3109, 0.3508)</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(53.4277, 0.3109, 0.3508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4C6B5
RGB	180, 198, 181
RGB Percent	71%, 78%, 71%
CMY	0.2942, 0.2235, 0.2903
CMYK	0.09, 0.00, 0.09, 0.22
HSL	123°, 14%, 74%
HSV	123°, 9%, 78%
XYZ	47.3508, 53.4277, 51.5239
YIQ	190.6800, -5.2710, -9.1030

# Conversions

## Conversions Part 2

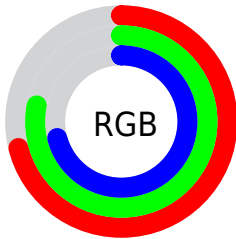
Format	Color
<a href="#">RYB</a>	<a href="#">180, 197, 198</a>
Decimal	<a href="#">11847349</a>
CIELab	<a href="#">78.13, -9.35, 6.44</a>
CIELCh	<a href="#">78, 11.351, 145.461</a>
Yxy	<a href="#">53.4277, 0.3109, 0.3508</a>
Android (android.graphics.Color)	<a href="#">4290037429 (0xFFB4C6B5)</a>
YUV	<a href="#">190.6800, -4.7722, -9.3664</a>
Hunter-Lab	<a href="#">73.0943, -12.2817, 9.3726</a>

# Details

The Yxy color  $53.4277, 0.3109, 0.3508$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $48.6708, 0.3146, 0.3081$ , and the grayscale version is  $51.9340, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.4673, 0.3113, 0.3470$ , and  $26.0171, 0.3104, 0.3569$  is the 20% darker color. If you saturate the color by 10%, you get  $50.5047, 0.3088, 0.3778$ , and if you desaturate by 10%, it is  $56.7977, 0.3129, 0.3270$ .

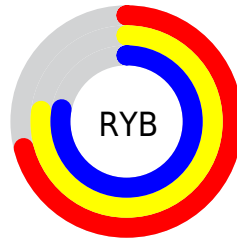
# Distribution



Red (71%)

Green (78%)

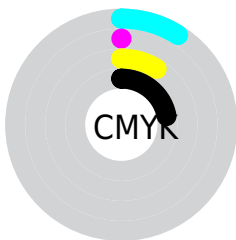
Blue (71%)



Red (71%)

Yellow (77%)

Blue (78%)

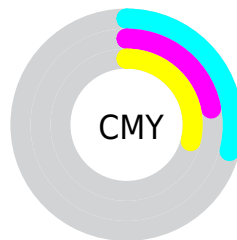


Cyan (9%)

Magenta (0%)

Yellow (9%)

Black (22%)



Cyan (29%)

Magenta (22%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4277, 0.3109, 0.3508 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 53.4277, 0.3109, 0.3508 by changing the saturation by 10% instead.




 53.4277, 0.3109,  
0.3508

 53.4277, 0.3109,  
0.3508


399.9239, 0.3119,  
0.3400

 38.1443, 0.3106,  
0.3535


 95.2334, 0.3113,  
0.3469

 26.0947, 0.3103,  
0.3569

122.5246, 0.3114,  
0.3454

 16.8945, 0.3098,  
0.3614

154.5871, 0.3115,  
0.3442

 10.1593, 0.3091,  
0.3677

191.8053, 0.3116,  
0.3431

 5.5047, 0.3081,  
0.3770

234.5637, 0.3117,  
0.3422

 2.5463, 0.3061,  
0.3922

283.2467, 0.3118,

 0.8998, 0.3049,

0.3414

0.4376

338.2386, 0.3118,  
0.3406

0.0000, 0.0000,  
0.0000

53.4277, 0.3109,  
0.3508

53.4277, 0.3109,  
0.3508

50.5047, 0.3088,  
0.3778

56.7977, 0.3129,  
0.3270

48.0035, 0.3066,  
0.4079

60.6251, 0.3147,  
0.3063

45.9066, 0.3044,  
0.4406

64.9287, 0.3164,  
0.2885

44.1928, 0.3024,  
0.4748

68.8743, 0.3153,  
0.2732

42.8389, 0.3007,  
0.5086

■ 41.8193, 0.2995,  
0.5398

■ 41.1048, 0.2988,  
0.5659

■ 40.6613, 0.2988,  
0.5849

■ 40.4341, 0.2991,  
0.5961

# Harmonies

## Analogous

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



53.4277, 0.3260, 0.3556



53.4277, 0.3109, 0.3508



53.4277, 0.2966, 0.3397

# Triad

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



53.4277, 0.3109, 0.3508



53.4277, 0.2881, 0.3052



53.4277, 0.3394, 0.3314

# Complementary

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



53.4277, 0.3109, 0.3508



48.6708, 0.3146, 0.3081

# 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.



53.4277, 0.3288, 0.3185



53.4277, 0.3109, 0.3508



53.4277, 0.2991, 0.3036

# Square

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



53.4277, 0.3109, 0.3508



53.4277, 0.2836, 0.3131



53.4277, 0.3140, 0.3085



53.4277, 0.3427, 0.3439



# Rectangle

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



53.4277, 0.3109, 0.3508



53.4277, 0.2893, 0.3304



53.4277, 0.3140, 0.3085



53.4277, 0.3366, 0.3270

# Sweetspot

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



53.4300, 0.3109, 0.3508



98.1214, 0.3121, 0.3360



55.5739, 0.3254, 0.3512



20.8973, 0.3120, 0.3379



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

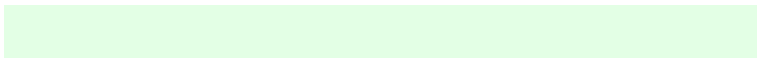


# Same Dimension

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



53.4300, 0.3109, 0.3508



93.4732, 0.3105, 0.3561



53.8076, 0.3045, 0.3393



11.8974, 0.3108, 0.3515



26.2855, 0.2989, 0.5959



1.2481, 0.2949, 0.5816



# Inverse Universe

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



48.6708, 0.3146, 0.3081



83.2900, 0.3150, 0.3033



48.2742, 0.3217, 0.3190



10.8060, 0.3146, 0.3075



10.1425, 0.3353, 0.1621



0.4835, 0.3320, 0.1603



# Previews

## White Background



This preview shows how the Yxy color 53.4277, 0.3109, 0.3508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

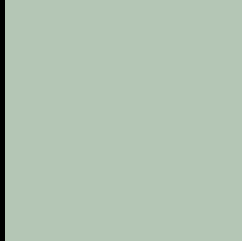
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4277, 0.3109, 0.3508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

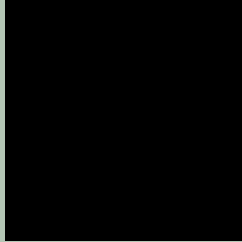
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

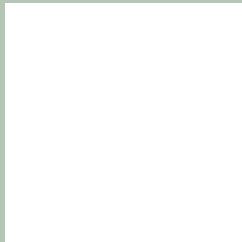
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.4277, 0.3109, 0.3508**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4277, 0.3109, 0.3508.



This preview shows how white text looks on a background with the Yxy color 53.4277, 0.3109, 0.3508.

# 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

53.4277, 0.3109, 0.3508

### Protanopia

53.1930, 0.3301, 0.3463

### Deuteranopia

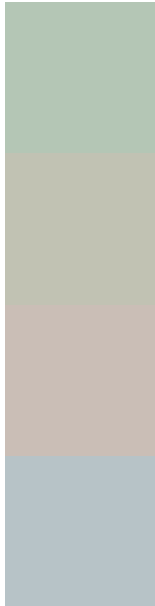
52.9838, 0.3398, 0.3326



## Tritanopia

53.5013, 0.2949, 0.3105

# Trichromacy



## Original Color

53.4277, 0.3109, 0.3508

## Protanomaly

53.1757, 0.3232, 0.3478

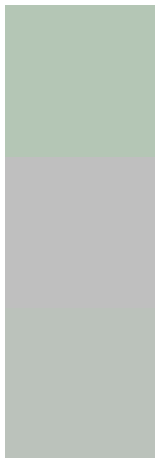
## Deuteranomaly

52.7609, 0.3289, 0.3388

## Tritanomaly

53.2210, 0.3004, 0.3240

# Monochromacy



## Original Color

53.4277, 0.3109, 0.3508

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.7362, 0.3123, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4277, 0.3109, 0.3508 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, 198, 181)` looks like.

```
.text, #text, p{  
    color:rgb(180, 198, 181)  
}
```

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, 198, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 198, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4277, 0.3109, 0.3508 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, 198, 181) }
```

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

```
.border{ border-color:rgb(180, 198, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 198, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 198, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 198, 181);  
box-shadow:4px 4px 4px 4px rgb(180, 198,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4277, 0.3109, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 198, 181) }
```

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

```
.background{ background-color: rgb(180,  
198, 181) }
```

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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