

# Converting Colors

$Yxy(51.9218, 0.3137, 0.3593)$

Have a look what the booklet for  
Yxy(51.9218, 0.3137, 0.3593)  
contains.

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# Color

**Yxy(51.7271, 0.3137, 0.3591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0C4AD
RGB	176, 196, 173
RGB Percent	69%, 77%, 68%
CMY	0.3098, 0.2314, 0.3216
CMYK	0.10, 0.00, 0.12, 0.23
HSL	112°, 16%, 72%
HSV	112°, 12%, 77%
XYZ	45.1874, 51.7271, 47.1320
YIQ	187.3980, -4.5370, -11.3930

# Conversions

## Conversions Part 2

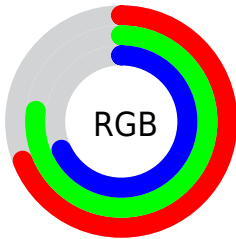
Format	Color
<a href="#">RYB</a>	<a href="#">173, 196, 193</a>
Decimal	<a href="#">11584685</a>
CIELab	<a href="#">77.12, -11.13, 9.26</a>
CIELCh	<a href="#">77, 14.475, 140.254</a>
Yxy	<a href="#">51.7271, 0.3137, 0.3591</a>
Android (android.graphics.Color)	<a href="#">4289774765 (0xFFB0C4AD)</a>
YUV	<a href="#">187.3980, -7.0982, -9.9960</a>
Hunter-Lab	<a href="#">71.9216, -13.7135, 11.4908</a>

# Details

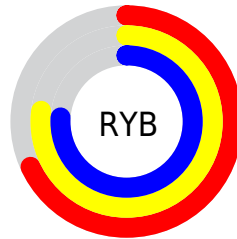
The Yxy color **51.7271, 0.3137, 0.3591** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.2047, 0.3114, 0.3002**, and the grayscale version is **49.9746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0078, 0.3140, 0.3544**, and **24.9374, 0.3131, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **49.1630, 0.3143, 0.3881**, and if you desaturate by 10%, it is **54.6561, 0.3129, 0.3332**.

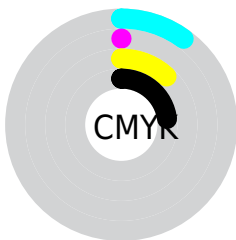
# Distribution



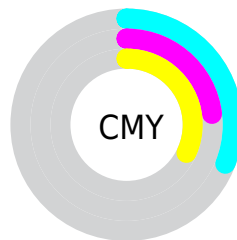
- Red (69%)
- Green (77%)
- Blue (68%)



- Red (68%)
- Yellow (77%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)




- Cyan (31%)
- Magenta (23%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7271, 0.3137, 0.3591 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 51.7271, 0.3137, 0.3591 by changing the saturation by 10% instead.





 51.7271, 0.3137,  
0.3591

 51.7271, 0.3137,  
0.3591


393.3822, 0.3134,  
0.3440

 36.7876, 0.3137,  
0.3629


 92.7286, 0.3136,  
0.3536

 25.0431, 0.3138,  
0.3677


119.5595, 0.3136,  
0.3516

 16.1092, 0.3138,  
0.3742


151.1229, 0.3135,  
0.3498

 9.6014, 0.3137,  
0.3832

187.8032, 0.3135,  
0.3483

 5.1355, 0.3133,  
0.3968

229.9849, 0.3134,  
0.3470

 2.3270, 0.3123,  
0.4192

278.0524, 0.3134,

 0.7879, 0.3233,

0.3459

0.5338

332.3900, 0.3134,  
0.3449

0.0000, 0.0000,  
0.0000

51.7271, 0.3137,  
0.3591

51.7271, 0.3137,  
0.3591

49.1630, 0.3143,  
0.3881

54.6561, 0.3129,  
0.3332

46.9430, 0.3146,  
0.4199

57.9564, 0.3119,  
0.3104

45.0544, 0.3145,  
0.4537

61.6430, 0.3109,  
0.2904

43.4813, 0.3138,  
0.4881

65.7277, 0.3099,  
0.2731

42.2062, 0.3125,  
0.5212

67.9616, 0.3154,  
0.2712

■ 41.2100, 0.3106,  
0.5506

■ 40.4715, 0.3082,  
0.5739

■ 39.9659, 0.3054,  
0.5896

■ 39.6973, 0.3033,  
0.5973

# Harmonies

## Analogous

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



51.7271, 0.3328, 0.3636



51.7271, 0.3137, 0.3591



51.7271, 0.2948, 0.3457

# Triad

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



51.7271, 0.3137, 0.3591



51.7271, 0.2795, 0.2995



51.7271, 0.3454, 0.3289

# Complementary

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



51.7271, 0.3137, 0.3591



45.2047, 0.3114, 0.3002

# 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.



51.7271, 0.3304, 0.3130



51.7271, 0.3137, 0.3591



51.7271, 0.2922, 0.2962

# Square

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



51.7271, 0.3137, 0.3591



51.7271, 0.2754, 0.3108



51.7271, 0.3108, 0.3012



51.7271, 0.3515, 0.3454



# Rectangle

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



51.7271, 0.3137, 0.3591



51.7271, 0.2848, 0.3339



51.7271, 0.3108, 0.3012



51.7271, 0.3412, 0.3234

# Sweetspot

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



51.7293, 0.3137, 0.3591



97.7180, 0.3131, 0.3389



52.8644, 0.3305, 0.3539



20.8265, 0.3131, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

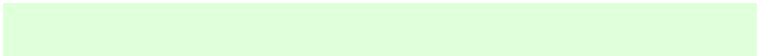


# Same Dimension

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



51.7293, 0.3137, 0.3591



92.4945, 0.3139, 0.3660



51.7185, 0.3052, 0.3480



11.3207, 0.3135, 0.3527



25.5277, 0.3039, 0.5969



1.1241, 0.3151, 0.5880



# Inverse Universe

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



45.2047, 0.3114, 0.3002



78.4228, 0.3111, 0.2939



45.2317, 0.3211, 0.3107



10.1784, 0.3117, 0.3062



8.1006, 0.2884, 0.1362

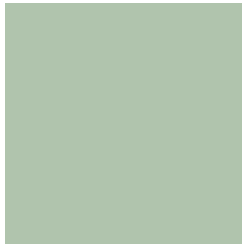


0.3690, 0.2961, 0.1405



# Previews

## White Background



This preview shows how the Yxy color 51.7271, 0.3137, 0.3591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

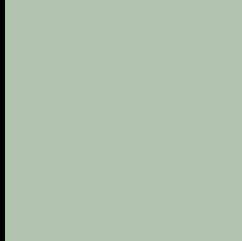
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.7271, 0.3137, 0.3591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

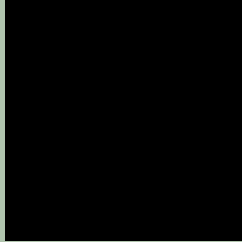
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

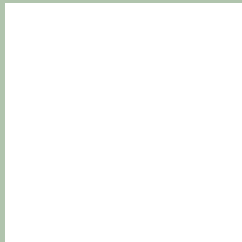
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.7271, 0.3137, 0.3591**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7271, 0.3137, 0.3591.



This preview shows how white text looks on a background with the Yxy color 51.7271, 0.3137, 0.3591.

# 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

51.7271, 0.3137, 0.3591

### Protanopia

51.7350, 0.3350, 0.3540

### Deuteranopia

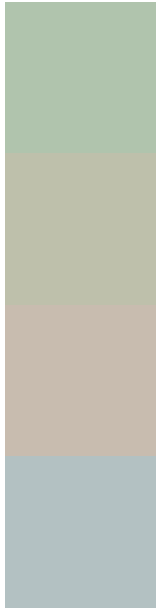
51.2977, 0.3454, 0.3375



## Tritanopia

51.5416, 0.2939, 0.3102

# Trichromacy



**Original Color**

51.7271, 0.3137, 0.3591

**Protanomaly**

51.5867, 0.3271, 0.3558

**Deuteranomaly**

51.3409, 0.3331, 0.3452

**Tritanomaly**

51.6187, 0.3009, 0.3277

# Monochromacy



**Original Color**

51.7271, 0.3137, 0.3591

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

50.2716, 0.3131, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7271, 0.3137, 0.3591 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(176, 196, 173)` looks like.

```
.text, #text, p{  
    color:rgb(176, 196, 173)  
}
```

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(176, 196, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 196, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7271, 0.3137, 0.3591 is called "border". The border property can be set on classes, ids or directly on the HTML element.

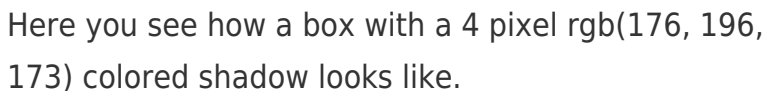
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 196, 173) }
```

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

```
.border{ border-color:rgb(176, 196, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 196, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 196, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 196, 173); box-shadow:4px 4px 4px 4px rgb(176, 196, 173) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7271, 0.3137, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 196, 173) }
```

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

```
.background{ background-color: rgb(176,  
196, 173) }
```

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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