

# Converting Colors

$Y_{xy}(53.1033, 0.3134, 0.3634)$

Have a look what the booklet for  
Yxy(53.1033, 0.3134, 0.3634)  
contains.

<b>Yxy(53.0941, 0.3135, 0.3628)</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(53.0941, 0.3135, 0.3628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0C7AD
RGB	176, 199, 173
RGB Percent	69%, 78%, 68%
CMY	0.3096, 0.2196, 0.3215
CMYK	0.12, 0.00, 0.13, 0.22
HSL	113°, 19%, 73%
HSV	113°, 13%, 78%
XYZ	45.8793, 53.0941, 47.3720
YIQ	189.1590, -5.3620, -12.9620

# Conversions

## Conversions Part 2

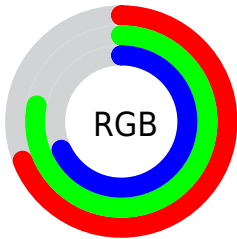
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 199, 196
Decimal	11585453
CIELab	77.93, -12.65, 10.40
CIELCh	78, 16.379, 140.580
Yxy	53.0941, 0.3135, 0.3628
Android (android.graphics.Color)	4289775533 (0xFFB0C7AD)
YUV	189.1590, -7.9664, -11.5404
Hunter-Lab	72.8657, -15.1240, 12.4599

# Details

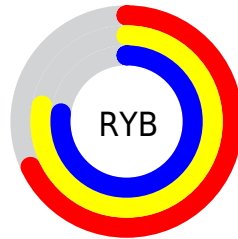
The Yxy color **53.0941, 0.3135, 0.3628** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.7466, 0.3116, 0.2969**, and the grayscale version is **51.0391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2772, 0.3139, 0.3564**, and **25.8422, 0.3128, 0.3717** is the 20% darker color. If you saturate the color by 10%, you get **50.4636, 0.3139, 0.3923**, and if you desaturate by 10%, it is **56.1092, 0.3129, 0.3364**.

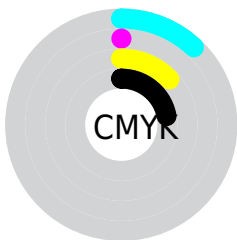
# Distribution



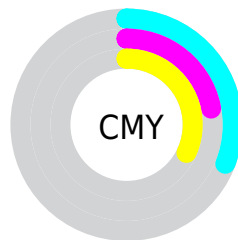
- Red (69%)
- Green (78%)
- Blue (68%)



- Red (68%)
- Yellow (78%)
- Blue (77%)



- Cyan (12%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)



- Cyan (31%)
- Magenta (22%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0941, 0.3135, 0.3628 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 53.0941, 0.3135, 0.3628 by changing the saturation by 10% instead.





 53.0941, 0.3135,  
0.3628

 53.0941, 0.3135,  
0.3628


398.6460, 0.3133,  
0.3459

 37.8779, 0.3135,  
0.3670


 94.7428, 0.3135,  
0.3567

 25.8879, 0.3135,  
0.3724


121.9441, 0.3134,  
0.3544

 16.7398, 0.3134,  
0.3796


153.9093, 0.3134,  
0.3524

 10.0492, 0.3131,  
0.3897

191.0226, 0.3134,  
0.3507

 5.4316, 0.3125,  
0.4046

233.6686, 0.3134,  
0.3493

 2.5026, 0.3110,  
0.4292

282.2315, 0.3133,

 0.8780, 0.3220,

0.3480

0.5379

337.0959, 0.3133,  
0.3469

0.0000, 0.0000,  
0.0000

53.0941, 0.3135,  
0.3628

53.0941, 0.3135,  
0.3628

50.4636, 0.3139,  
0.3923

56.1092, 0.3129,  
0.3364

48.1958, 0.3139,  
0.4245

59.5164, 0.3122,  
0.3132

46.2767, 0.3135,  
0.4587

63.3316, 0.3114,  
0.2929

44.6890, 0.3127,  
0.4932

67.5676, 0.3106,  
0.2753

43.4136, 0.3112,  
0.5261

69.3232, 0.3153,  
0.2742

■ 42.4298, 0.3093,  
0.5549

■ 41.7141, 0.3069,  
0.5772

■ 41.2393, 0.3043,  
0.5917

■ 41.0280, 0.3028,  
0.5978

# Harmonies

## Analogous

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



53.0941, 0.3349, 0.3679



53.0941, 0.3135, 0.3628



53.0941, 0.2924, 0.3476

# Triad

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



53.0941, 0.3135, 0.3628



53.0941, 0.2757, 0.2959



53.0941, 0.3496, 0.3290

# Complementary

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



53.0941, 0.3135, 0.3628



45.7466, 0.3116, 0.2969

# 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.



53.0941, 0.3327, 0.3113



53.0941, 0.3135, 0.3628



53.0941, 0.2899, 0.2924

# Square

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



53.0941, 0.3135, 0.3628



53.0941, 0.2710, 0.3083



53.0941, 0.3107, 0.2981



53.0941, 0.3563, 0.3474



# Rectangle

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



53.0941, 0.3135, 0.3628



53.0941, 0.2812, 0.3342



53.0941, 0.3107, 0.2981



53.0941, 0.3449, 0.3228

# Sweetspot

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



53.0964, 0.3135, 0.3628



97.6914, 0.3130, 0.3389



54.4262, 0.3326, 0.3568



20.8198, 0.3130, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

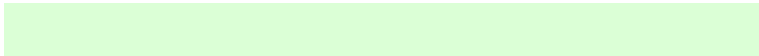


# Same Dimension

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



53.0964, 0.3135, 0.3628



91.4392, 0.3136, 0.3719



53.1289, 0.3044, 0.3503



11.9461, 0.3133, 0.3527



26.4043, 0.3032, 0.5974



1.2705, 0.3129, 0.5898



# Inverse Universe

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



45.7466, 0.3116, 0.2969



75.7827, 0.3112, 0.2888



45.7283, 0.3221, 0.3086



10.7514, 0.3119, 0.3061



8.5951, 0.2919, 0.1382

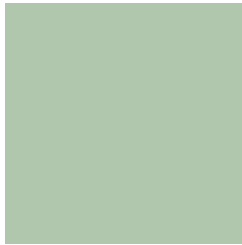


0.4252, 0.2984, 0.1417



# Previews

## White Background



This preview shows how the Yxy color 53.0941, 0.3135, 0.3628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

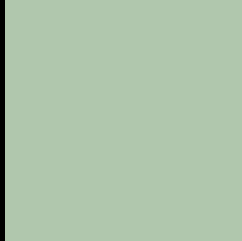
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0941, 0.3135, 0.3628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

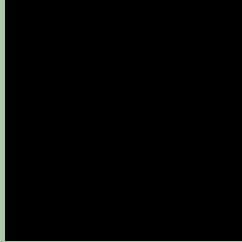
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

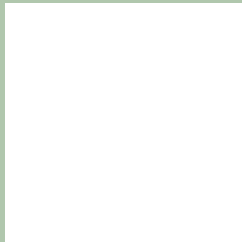
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.0941, 0.3135, 0.3628**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0941, 0.3135, 0.3628.

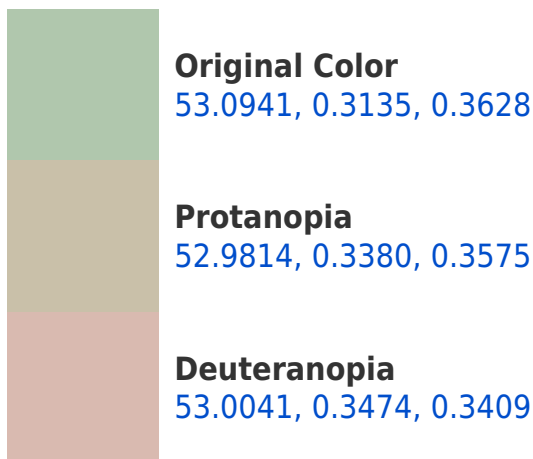


This preview shows how white text looks on a background with the Yxy color 53.0941, 0.3135, 0.3628.

# 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

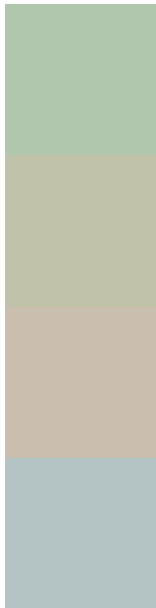




## Tritanopia

53.1321, 0.2927, 0.3104

# Trichromacy



## Original Color

53.0941, 0.3135, 0.3628

## Protanomaly

53.1390, 0.3291, 0.3606

## Deuteranomaly

52.9133, 0.3343, 0.3487

## Tritanomaly

53.1687, 0.3002, 0.3290

# Monochromacy



## Original Color

53.0941, 0.3135, 0.3628

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.7492, 0.3129, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0941, 0.3135, 0.3628 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, 199, 173)` looks like.

```
.text, #text, p{  
    color:rgb(176, 199, 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, 199, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 199, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0941, 0.3135, 0.3628 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, 199, 173) }
```

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

```
.border{ border-color:rgb(176, 199, 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, 199, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 199, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 199, 173);  
box-shadow:4px 4px 4px 4px rgb(176, 199,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0941, 0.3135, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 199, 173) }
```

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

```
.background{ background-color: rgb(176,  
199, 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](#).

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