

# Converting Colors

$Yxy(48.5112, 0.3098, 0.3454)$

Have a look what the booklet for  
Yxy(48.5112, 0.3098, 0.3454)  
contains.

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# Color

**Yxy(48.5682, 0.3095, 0.3449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEBDB1
RGB	174, 189, 177
RGB Percent	68%, 74%, 69%
CMY	0.3178, 0.2588, 0.3059
CMYK	0.08, 0.00, 0.06, 0.26
HSL	132°, 10%, 71%
HSV	132°, 8%, 74%
XYZ	43.5832, 48.5682, 48.6668
YIQ	183.1470, -5.0880, -6.9120

# Conversions

## Conversions Part 2

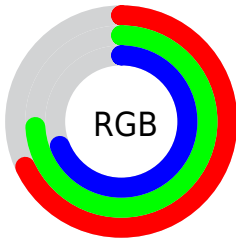
Format	Color
<a href="#">RYB</a>	<a href="#">174, 187, 189</a>
Decimal	<a href="#">11451825</a>
CIELab	<a href="#">75.18, -7.46, 4.29</a>
CIELCh	<a href="#">75, 8.608, 150.080</a>
Yxy	<a href="#">48.5682, 0.3095, 0.3449</a>
Android (android.graphics.Color)	<a href="#">4289641905 (0xFFFAEBDB1)</a>
YUV	<a href="#">183.1470, -3.0305, -8.0219</a>
Hunter-Lab	<a href="#">69.6909, -10.3289, 7.3800</a>

# Details

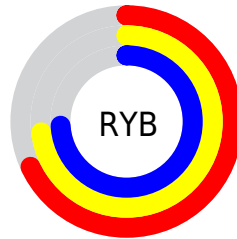
The Yxy color **48.5682, 0.3095, 0.3449** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.6267, 0.3161, 0.3136**, and the grayscale version is **47.4561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0110, 0.3102, 0.3413**, and **23.2011, 0.3095, 0.3508** is the 20% darker color. If you saturate the color by 10%, you get **45.9809, 0.3054, 0.3672**, and if you desaturate by 10%, it is **51.5318, 0.3135, 0.3252**.

# Distribution



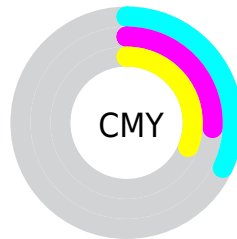
- Red (68%)
- Green (74%)
- Blue (69%)



- Red (68%)
- Yellow (73%)
- Blue (74%)



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)




- Cyan (32%)
- Magenta (26%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5682, 0.3095, 0.3449 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 48.5682, 0.3095, 0.3449 by changing the saturation by 10% instead.





 48.5682, 0.3095,  
0.3449

 48.5682, 0.3095,  
0.3449

381.0399, 0.3111,  
0.3369

 34.2771, 0.3091,  
0.3469


 88.0498, 0.3101,  
0.3420

 23.1065, 0.3085,  
0.3495

114.0091, 0.3103,  
0.3409

 14.6722, 0.3078,  
0.3529


144.6265, 0.3105,  
0.3400

 8.5896, 0.3067,  
0.3578

180.2865, 0.3107,  
0.3392

 4.4745, 0.3051,  
0.3652

221.3734, 0.3108,  
0.3385

 1.9424, 0.3023,  
0.3775

268.2717, 0.3109,


 0.5737, 0.2879,


0.3379


0.4548


321.3658, 0.3110,  
0.3374

 0.0000, 0.0000,  
0.0000


 48.5682, 0.3095,  
0.3449

 48.5682, 0.3095,  
0.3449

 45.9809, 0.3054,  
0.3672


 51.5318, 0.3135,  
0.3252


 43.7488, 0.3014,  
0.3921


 54.8796, 0.3174,  
0.3079

 41.8582, 0.2978,  
0.4194

 58.6267, 0.3211,  
0.2929

 40.2920, 0.2946,  
0.4485

 62.7860, 0.3246,  
0.2799

 39.0316, 0.2922,  
0.4785

 64.7229, 0.3175,  
0.2666

■ 38.0566, 0.2909,  
0.5079

■ 64.8809, 0.3157,  
0.2644

■ 37.3440, 0.2908,  
0.5352

■ 36.8670, 0.2919,  
0.5587

■ 36.5860, 0.2941,  
0.5769

# Harmonies

## Analogous

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



48.5682, 0.3214, 0.3496



48.5682, 0.3095, 0.3449



48.5682, 0.2986, 0.3357

# Triad

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



48.5682, 0.3095, 0.3449



48.5682, 0.2945, 0.3098



48.5682, 0.3344, 0.3325

# Complementary

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



48.5682, 0.3095, 0.3449



44.6267, 0.3161, 0.3136

# 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.



48.5682, 0.3269, 0.3223



48.5682, 0.3095, 0.3449



48.5682, 0.3038, 0.3093

# Square

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



48.5682, 0.3095, 0.3449



48.5682, 0.2900, 0.3154



48.5682, 0.3156, 0.3139



48.5682, 0.3359, 0.3421



# Rectangle

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



48.5682, 0.3095, 0.3449



48.5682, 0.2933, 0.3285



48.5682, 0.3156, 0.3139



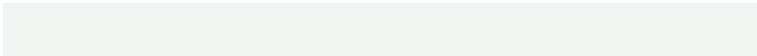
48.5682, 0.3325, 0.3291

# Sweetspot

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



48.5703, 0.3095, 0.3449



90.0364, 0.3119, 0.3329



49.8955, 0.3218, 0.3484



19.3740, 0.3119, 0.3327



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

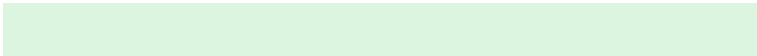


# Same Dimension

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



48.5703, 0.3095, 0.3449



85.8985, 0.3086, 0.3496



48.8781, 0.3039, 0.3349



10.6801, 0.3089, 0.3479



24.5907, 0.2940, 0.5782



0.9727, 0.2815, 0.5336



# Inverse Universe

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



44.6267, 0.3161, 0.3136



77.0156, 0.3171, 0.3092



44.3156, 0.3224, 0.3232



9.6626, 0.3167, 0.3108



8.7952, 0.3785, 0.1859

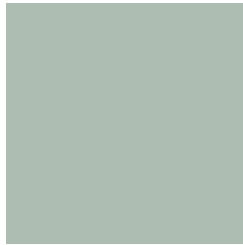


0.3530, 0.3623, 0.1769



# Previews

## White Background



This preview shows how the Yxy color 48.5682, 0.3095, 0.3449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

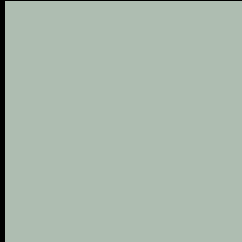
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.5682, 0.3095, 0.3449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

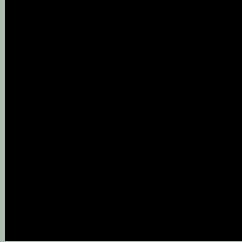
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

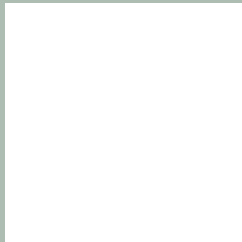
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.5682, 0.3095, 0.3449**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.5682, 0.3095, 0.3449.



This preview shows how white text looks on a background with the Yxy color 48.5682, 0.3095, 0.3449.

# 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

48.5682, 0.3095, 0.3449

### Protanopia

48.4133, 0.3267, 0.3418

### Deuteranopia

48.4740, 0.3356, 0.3291



## Tritanopia

48.7529, 0.2957, 0.3111

# Trichromacy



## Original Color

48.5682, 0.3095, 0.3449

## Protanomaly

48.5272, 0.3205, 0.3433

## Deuteranomaly

48.5507, 0.3262, 0.3354

## Tritanomaly

48.6935, 0.3008, 0.3225

# Monochromacy



## Original Color

48.5682, 0.3095, 0.3449

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.7374, 0.3116, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5682, 0.3095, 0.3449 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(174, 189, 177)` looks like.

```
.text, #text, p{  
    color:rgb(174, 189, 177)  
}
```

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(174, 189, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 189, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5682, 0.3095, 0.3449 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(174, 189, 177) }
```

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

```
.border{ border-color:rgb(174, 189, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 189, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 189, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 189, 177);  
box-shadow:4px 4px 4px 4px rgb(174, 189,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5682, 0.3095, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 189, 177) }
```

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

```
.background{ background-color: rgb(174,  
189, 177) }
```

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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