

# Converting Colors

$Y_{xy}(44.3175, 0.3305, 0.3880)$

Have a look what the booklet for  
Yxy(44.3175, 0.3305, 0.3880)  
contains.

<b>Yxy(44.3410, 0.3304, 0.3881)</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(44.3410, 0.3304, 0.3881)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A6B88E
RGB	166, 184, 142
RGB Percent	65%, 72%, 56%
CMY	0.3490, 0.2784, 0.4431
CMYK	0.10, 0.00, 0.23, 0.28
HSL	86°, 23%, 64%
HSV	86°, 23%, 72%
XYZ	37.7487, 44.3410, 32.1618
YIQ	173.8300, 2.7540, -16.8780

# Conversions

## Conversions Part 2

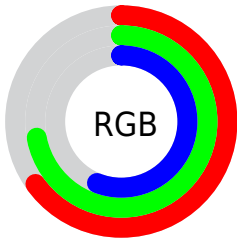
Format	Color
<a href="#">RYB</a>	<a href="#">142, 184, 160</a>
Decimal	<a href="#">10926222</a>
CIELab	<a href="#">72.46, -13.75, 19.31</a>
CIElCh	<a href="#">72, 23.707, 125.440</a>
Yxy	<a href="#">44.3410, 0.3304, 0.3881</a>
Android (android.graphics.Color)	<a href="#">4289116302 (0xFFA6B88E)</a>
YUV	<a href="#">173.8300, -15.6922, -6.8669</a>
Hunter-Lab	<a href="#">66.5890, -15.3409, 17.9759</a>

# Details

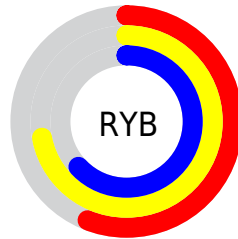
The Yxy color  $44.3410, 0.3304, 0.3881$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $30.2834, 0.2916, 0.2690$ , and the grayscale version is  $42.3175, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.6779, 0.3271, 0.3766$ , and  $20.5827, 0.3346, 0.4054$  is the 20% darker color. If you saturate the color by 10%, you get  $43.0084, 0.3377, 0.4164$ , and if you desaturate by 10%, it is  $45.8210, 0.3227, 0.3611$ .

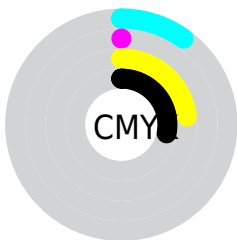
# Distribution



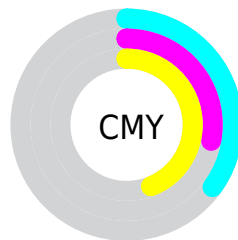
- Red (65%)
- Green (72%)
- Blue (56%)



- Red (56%)
- Yellow (72%)
- Blue (63%)



- Cyan (10%)
- Magenta (0%)
- Yellow (23%)
- Black (28%)




- Cyan (35%)
- Magenta (28%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3410, 0.3304, 0.3881 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 44.3410, 0.3304, 0.3881 by changing the saturation by 10% instead.





 44.3410, 0.3304,  
0.3881


 44.3410, 0.3304,  
0.3881


364.0980, 0.3219,  
0.3576

 30.9387, 0.3324,  
0.3960


 81.7306, 0.3274,  
0.3768

 20.5522, 0.3347,  
0.4064


 106.4867, 0.3263,  
0.3726

 12.7970, 0.3377,  
0.4205


135.7962, 0.3253,  
0.3691

 7.2889, 0.3414,  
0.4406

170.0434, 0.3245,  
0.3661

 3.6434, 0.3457,  
0.4716

209.6128, 0.3237,  
0.3635

 1.4762, 0.3764,  
0.5657

254.8888, 0.3231,


 0.2719, 0.0000,


0.3613


1.0000


306.2557, 0.3225,  
0.3593


 0.0000, 0.0000,  
0.0000

 44.3410, 0.3304,  
0.3881


 44.3410, 0.3304,  
0.3881

 43.0084, 0.3377,  
0.4164


 45.8210, 0.3227,  
0.3611


 41.8120, 0.3441,  
0.4452


 47.4477, 0.3149,  
0.3358


 40.7480, 0.3493,  
0.4734


 49.2278, 0.3072,  
0.3125


 39.8100, 0.3528,  
0.4998

 51.1659, 0.2998,  
0.2913


 38.9911, 0.3542,  
0.5230

 53.2663, 0.2928,  
0.2722

 38.2833, 0.3532,  
0.5418


 55.5331, 0.2862,  
0.2551

 37.6775, 0.3500,  
0.5555

 56.9100, 0.2903,  
0.2539

 37.2932, 0.3468,  
0.5628

 58.1792, 0.2962,  
0.2552

 59.5075, 0.3022,  
0.2565

# Harmonies

## Analogous

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



44.3410, 0.3603, 0.3859



44.3410, 0.3304, 0.3881



44.3410, 0.2968, 0.3718

# Triad

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



44.3410, 0.3304, 0.3881



44.3410, 0.2512, 0.2859



44.3410, 0.3580, 0.3145

# Complementary

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



44.3410, 0.3304, 0.3881



30.2834, 0.2916, 0.2690

# 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.



44.3410, 0.3264, 0.2911



44.3410, 0.3304, 0.3881



44.3410, 0.2655, 0.2744

# Square

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



44.3410, 0.3304, 0.3881



44.3410, 0.2523, 0.3102



44.3410, 0.2925, 0.2767



44.3410, 0.3772, 0.3422



# Rectangle

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



44.3410, 0.3304, 0.3881



44.3410, 0.2769, 0.3529



44.3410, 0.2925, 0.2767



44.3410, 0.3483, 0.3060

# Sweetspot

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



44.3429, 0.3304, 0.3881



84.7078, 0.3183, 0.3464



37.1145, 0.3535, 0.3533



18.2235, 0.3187, 0.3479



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



44.3429, 0.3304, 0.3881



79.2280, 0.3338, 0.4011



42.3019, 0.3127, 0.3914



10.3064, 0.3200, 0.3520



25.7431, 0.3476, 0.5622



0.9432, 0.3660, 0.5476



# Inverse Universe

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



30.2834, 0.2916, 0.2690



49.5845, 0.2864, 0.2556



32.5725, 0.3118, 0.2725



8.9027, 0.3049, 0.3058



3.5675, 0.1905, 0.0823



0.1624, 0.2210, 0.0991



# Previews

## White Background



This preview shows how the Yxy color 44.3410, 0.3304, 0.3881 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 44.3410, 0.3304, 0.3881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

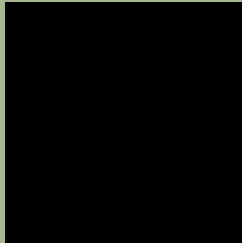
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.3410, 0.3304, 0.3881**

## Background



This preview shows how black text looks on a background with the Yxy color 44.3410, 0.3304, 0.3881.



This preview shows how white text looks on a background with the Yxy color 44.3410, 0.3304, 0.3881.

# 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

44.3410, 0.3304, 0.3881

### Protanopia

44.1272, 0.3558, 0.3796

### Deuteranopia

44.2920, 0.3688, 0.3619



## Tritanopia

44.0901, 0.2983, 0.3105

# Trichromacy



## Original Color

44.3410, 0.3304, 0.3881

## Protanomaly

44.3597, 0.3466, 0.3833

## Deuteranomaly

44.1407, 0.3537, 0.3713

## Tritanomaly

44.2057, 0.3097, 0.3385

# Monochromacy



## Original Color

44.3410, 0.3304, 0.3881

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

43.1074, 0.3196, 0.3511

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3410, 0.3304, 0.3881 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(166, 184, 142)` looks like.

```
.text, #text, p{  
    color:rgb(166, 184, 142)  
}
```

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(166, 184, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 184, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3410, 0.3304, 0.3881 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(166, 184, 142) }
```

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

```
.border{ border-color:rgb(166, 184, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 184, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 184, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 184, 142);  
box-shadow:4px 4px 4px 4px rgb(166, 184,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3410, 0.3304, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 184, 142) }
```

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

```
.background{ background-color: rgb(166,  
184, 142) }
```

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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