

# Converting Colors

$Yxy(48.6937, 0.3176, 0.3986)$

Have a look what the booklet for  
Yxy(48.6937, 0.3176, 0.3986)  
contains.

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# Color

**Yxy(48.7233, 0.3180, 0.3990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DC492
RGB	157, 196, 146
RGB Percent	62%, 77%, 57%
CMY	0.3844, 0.2313, 0.4274
CMYK	0.20, 0.00, 0.26, 0.23
HSL	107°, 30%, 67%
HSV	107°, 26%, 77%
XYZ	38.8321, 48.7233, 34.5581
YIQ	178.6390, -7.1940, -23.8180

# Conversions

## Conversions Part 2

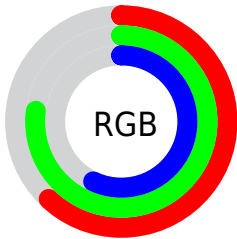
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 196, 185
Decimal	10339474
CIELab	75.28, -22.43, 20.95
CIELCh	75, 30.695, 136.953
Yxy	48.7233, 0.3180, 0.3990
Android (android.graphics.Color)	4288529554 (0xFF9DC492)
YUV	178.6390, -16.0910, -18.9774
Hunter-Lab	69.8021, -22.8510, 19.5077

# Details

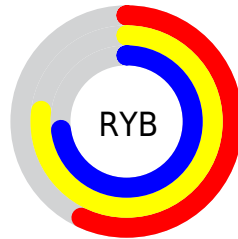
The Yxy color **48.7233, 0.3180, 0.3990** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.8672, 0.3051, 0.2642**, and the grayscale version is **44.9677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4177, 0.3175, 0.3861**, and **23.1755, 0.3187, 0.4205** is the 20% darker color. If you saturate the color by 10%, you get **46.7231, 0.3194, 0.4309**, and if you desaturate by 10%, it is **51.0249, 0.3161, 0.3694**.

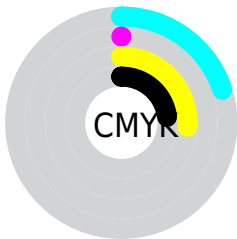
# Distribution



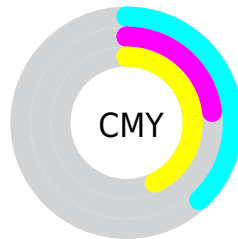
- Red (62%)
- Green (77%)
- Blue (57%)



- Red (57%)
- Yellow (77%)
- Blue (73%)



- Cyan (20%)
- Magenta (0%)
- Yellow (26%)
- Black (23%)



- Cyan (38%)
- Magenta (23%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7233, 0.3180, 0.3990 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 48.7233, 0.3180, 0.3990 by changing the saturation by 10% instead.





 48.7233, 0.3180,  
0.3990


 48.7233, 0.3180,  
0.3990

381.6520, 0.3161,  
0.3630

 34.4000, 0.3182,  
0.4083

 88.2804, 0.3175,  
0.3857

 23.2011, 0.3183,  
0.4204


 114.2829, 0.3173,  
0.3807

 14.7421, 0.3181,  
0.4368


144.9474, 0.3170,  
0.3766

 8.6386, 0.3173,  
0.4602

180.6582, 0.3168,  
0.3731

 4.5062, 0.3145,  
0.4958

221.7996, 0.3166,  
0.3700

 1.9606, 0.3159,  
0.5738

268.7561, 0.3164,

 0.5844, 0.0133,

0.3674

0.9867

321.9121, 0.3163,  
0.3650

0.0000, 0.0000,  
0.0000

48.7233, 0.3180,  
0.3990

48.7233, 0.3180,  
0.3990

46.7231, 0.3194,  
0.4309

51.0249, 0.3161,  
0.3694

45.0057, 0.3202,  
0.4642

53.6334, 0.3140,  
0.3425

43.5598, 0.3201,  
0.4973


56.5618, 0.3117,  
0.3186

42.3709, 0.3190,  
0.5284


59.8208, 0.3094,  
0.2974


41.4232, 0.3167,  
0.5553


63.4201, 0.3071,  
0.2789

 40.6990, 0.3135,  
0.5760

 66.8018, 0.3108,  
0.2704

 40.1774, 0.3095,  
0.5893

 67.9625, 0.3154,  
0.2712

 39.9966, 0.3079,  
0.5938

# Harmonies

## Analogous

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



48.7233, 0.3587, 0.4043



48.7233, 0.3180, 0.3990



48.7233, 0.2776, 0.3702

# Triad

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



48.7233, 0.3180, 0.3990



48.7233, 0.2412, 0.2677



48.7233, 0.3814, 0.3233

# Complementary

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



48.7233, 0.3180, 0.3990



34.8672, 0.3051, 0.2642

# 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.



48.7233, 0.3459, 0.2921



48.7233, 0.3180, 0.3990



48.7233, 0.2651, 0.2607

# Square

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



48.7233, 0.3180, 0.3990



48.7233, 0.2351, 0.2915



48.7233, 0.3028, 0.2698



48.7233, 0.3971, 0.3575



# Rectangle

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



48.7233, 0.3180, 0.3990



48.7233, 0.2561, 0.3432



48.7233, 0.3028, 0.2698



48.7233, 0.3712, 0.3123

# Sweetspot

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



48.7254, 0.3180, 0.3990



95.8593, 0.3145, 0.3493



48.2356, 0.3542, 0.3782



20.3603, 0.3149, 0.3533



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

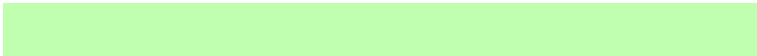


# Same Dimension

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



48.7254, 0.3180, 0.3990



86.0296, 0.3189, 0.4179



48.1104, 0.3001, 0.3811



11.3630, 0.3148, 0.3526



25.7295, 0.3086, 0.5932



1.1430, 0.3246, 0.5805



# Inverse Universe

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



34.8672, 0.3051, 0.2642



56.3675, 0.3028, 0.2484



35.7049, 0.3283, 0.2821



10.1324, 0.3103, 0.3061



6.9502, 0.2665, 0.1242

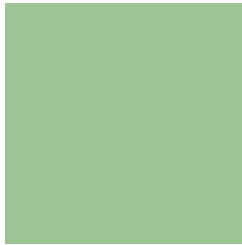


0.3286, 0.2793, 0.1312



# Previews

## White Background



This preview shows how the Yxy color 48.7233, 0.3180, 0.3990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

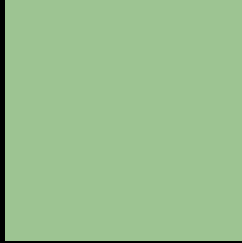
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7233, 0.3180, 0.3990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

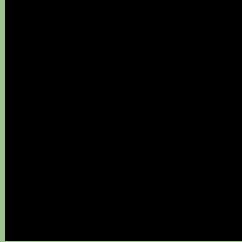
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

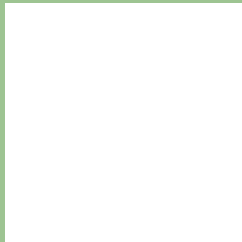
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.7233, 0.3180, 0.3990**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.7233, 0.3180, 0.3990.



This preview shows how white text looks on a background with the Yxy color 48.7233, 0.3180, 0.3990.

# 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

48.7233, 0.3180, 0.3990

### Protanopia

48.6268, 0.3599, 0.3851

### Deuteranopia

48.4899, 0.3703, 0.3631



## Tritanopia

48.3852, 0.2845, 0.3094

# Trichromacy



**Original Color**

48.7233, 0.3180, 0.3990

**Protanomaly**

48.4456, 0.3436, 0.3900

**Deuteranomaly**

48.3372, 0.3497, 0.3754

**Tritanomaly**

48.4255, 0.2971, 0.3411

# Monochromacy



**Original Color**

48.7233, 0.3180, 0.3990

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

46.1459, 0.3149, 0.3534

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7233, 0.3180, 0.3990 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(157, 196, 146)` looks like.

```
.text, #text, p{  
    color:rgb(157, 196, 146)  
}
```

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(157, 196, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 196, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7233, 0.3180, 0.3990 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(157, 196, 146) }
```

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

```
.border{ border-color:rgb(157, 196, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 196, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 196, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 196, 146);  
box-shadow:4px 4px 4px 4px rgb(157, 196,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7233, 0.3180, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 196, 146) }
```

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

```
.background{ background-color: rgb(157,  
196, 146) }
```

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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