

# Converting Colors

$Yxy(40.9106, 0.2973, 0.3825)$

Have a look what the booklet for  
Yxy(40.9106, 0.2973, 0.3825)  
contains.

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# Color

**Yxy(40.9106, 0.2973, 0.3825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84B794
RGB	132, 183, 148
RGB Percent	52%, 72%, 58%
CMY	0.4823, 0.2824, 0.4195
CMYK	0.28, 0.00, 0.19, 0.28
HSL	139°, 26%, 62%
HSV	139°, 28%, 72%
XYZ	31.7980, 40.9106, 34.2473
YIQ	163.7610, -19.1610, -21.6970

# Conversions

## Conversions Part 2

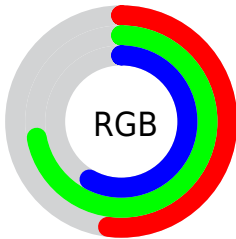
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 171, 183
Decimal	8697748
CIELab	70.11, -24.08, 12.46
CIELCh	70, 27.107, 152.643
Yxy	40.9106, 0.2973, 0.3825
Android (android.graphics.Color)	4286887828 (0xFF84B794)
YUV	163.7610, -7.7702, -27.8544
Hunter-Lab	63.9614, -23.1924, 13.0270

# Details

The Yxy color **40.9106, 0.2973, 0.3825** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.3644, 0.3326, 0.2810**, and the grayscale version is **37.0525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4364, 0.3005, 0.3718**, and **18.5777, 0.2923, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **39.1875, 0.2924, 0.4057**, and if you desaturate by 10%, it is **42.9390, 0.3027, 0.3614**.

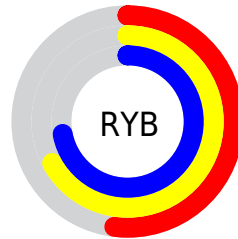
# Distribution



Red (52%)

Green (72%)

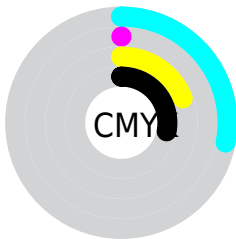
Blue (58%)



Red (52%)

Yellow (67%)

Blue (72%)

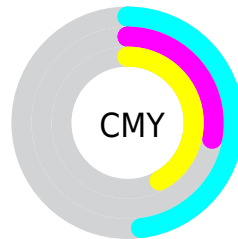


Cyan (28%)

Magenta (0%)

Yellow (19%)

Black (28%)



Cyan (48%)

Magenta (28%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9106, 0.2973, 0.3825 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 40.9106, 0.2973, 0.3825 by changing the saturation by 10% instead.





 40.9106, 0.2973,  
0.3825

 40.9106, 0.2973,  
0.3825


349.9468, 0.3056,  
0.3542


 28.2492, 0.2950,  
0.3901


 76.5482, 0.3005,  
0.3718

 18.5136, 0.2919,  
0.4002


 100.2932, 0.3016,  
0.3679

 11.3194, 0.2875,  
0.4142


 128.5015, 0.3026,  
0.3647

 6.2821, 0.2807,  
0.4351

161.5575, 0.3034,  
0.3620

 3.0173, 0.2694,  
0.4692

199.8457, 0.3041,  
0.3596

 1.1408, 0.2424,  
0.5804

243.7504, 0.3047,

 0.0125, 0.0000,

0.3576

1.0000

293.6559, 0.3052,  
0.3558

0.0000, 0.0000,  
0.0000

40.9106, 0.2973,  
0.3825

40.9106, 0.2973,  
0.3825

39.1875, 0.2924,  
0.4057

42.9390, 0.3027,  
0.3614

37.7497, 0.2882,  
0.4305

45.2815, 0.3083,  
0.3424

36.5828, 0.2850,  
0.4565

47.9527, 0.3139,  
0.3256

35.6689, 0.2832,  
0.4828

50.9649, 0.3194,  
0.3108

34.9879, 0.2830,  
0.5082

54.3296, 0.3248,  
0.2978

■ 34.5165, 0.2844,  
0.5317

■ 58.0580, 0.3299,  
0.2865

■ 34.2195, 0.2872,  
0.5521

■ 61.1769, 0.3306,  
0.2759

■ 34.1664, 0.2878,  
0.5561

■ 61.9322, 0.3209,  
0.2643

■ 62.3464, 0.3160,  
0.2585

# Harmonies

## Analogous

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



40.9106, 0.3367, 0.3996



40.9106, 0.2973, 0.3825



40.9106, 0.2635, 0.3480

# Triad

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



40.9106, 0.2973, 0.3825



40.9106, 0.2554, 0.2660



40.9106, 0.3874, 0.3408

# Complementary

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



40.9106, 0.2973, 0.3825



29.3644, 0.3326, 0.2810

# 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.



40.9106, 0.3629, 0.3091



40.9106, 0.2973, 0.3825



40.9106, 0.2854, 0.2674

# Square

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



40.9106, 0.2973, 0.3825



40.9106, 0.2405, 0.2803



40.9106, 0.3247, 0.2829



40.9106, 0.3901, 0.3718



# Rectangle

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



40.9106, 0.2973, 0.3825



40.9106, 0.2482, 0.3220



40.9106, 0.3247, 0.2829



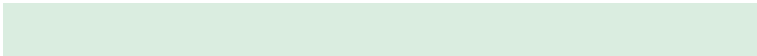
40.9106, 0.3814, 0.3299

# Sweetspot

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



40.9123, 0.2973, 0.3825



80.9773, 0.3081, 0.3429



43.8253, 0.3401, 0.4008



17.7382, 0.3073, 0.3456



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.



40.9123, 0.2973, 0.3825



71.4532, 0.2944, 0.3954



41.7829, 0.2797, 0.3440



10.1053, 0.3075, 0.3451



23.8466, 0.2872, 0.5539



0.8522, 0.2718, 0.4984



# Inverse Universe

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



29.3644, 0.3326, 0.2810



47.5717, 0.3377, 0.2709



28.5341, 0.3604, 0.3147



9.1134, 0.3184, 0.3134



8.0786, 0.4183, 0.2078

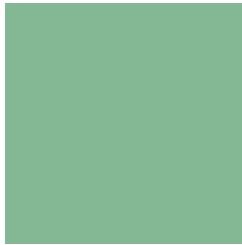


0.2954, 0.3876, 0.1909



# Previews

## White Background



This preview shows how the Yxy color 40.9106, 0.2973, 0.3825 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 40.9106, 0.2973, 0.3825 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 40.9106, 0.2973, 0.3825**

## Background



This preview shows how black text looks on a background with the Yxy color 40.9106, 0.2973, 0.3825.



This preview shows how white text looks on a background with the Yxy color 40.9106, 0.2973, 0.3825.

# 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

40.9106, 0.2973, 0.3825

### Protanopia

40.4057, 0.3466, 0.3678

### Deuteranopia

40.6466, 0.3524, 0.3463



## Tritanopia

40.7813, 0.2723, 0.3090

# Trichromacy



**Original Color**

40.9106, 0.2973, 0.3825

**Protanomaly**

40.4601, 0.3276, 0.3738

**Deuteranomaly**

40.3973, 0.3296, 0.3586

**Tritanomaly**

40.6537, 0.2814, 0.3348

# Monochromacy



**Original Color**

40.9106, 0.2973, 0.3825

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

38.2698, 0.3065, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.9106, 0.2973, 0.3825 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(132, 183, 148)` looks like.

```
.text, #text, p{  
    color:rgb(132, 183, 148)  
}
```

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(132, 183, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 183, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 40.9106, 0.2973, 0.3825 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(132, 183, 148) }
```

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

```
.border{ border-color:rgb(132, 183, 148) }
```

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

Here you see how a box with a 4 pixel rgb(132, 183, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 183, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 183, 148);  
box-shadow:4px 4px 4px 4px rgb(132, 183,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.9106, 0.2973, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 183, 148) }
```

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

```
.background{ background-color: rgb(132,  
183, 148) }
```

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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