

Converting Colors

$Yxy(39.9006, 0.3037, 0.4009)$

Have a look what the booklet for
Yxy(39.9006, 0.3037, 0.4009)
contains.

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Color

Yxy(39.9006, 0.3037, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	81B688
RGB	129, 182, 136
RGB Percent	51%, 71%, 53%
CMY	0.4941, 0.2863, 0.4667
CMYK	0.29, 0.00, 0.25, 0.29
HSL	128°, 27%, 61%
HSV	128°, 29%, 71%
XYZ	30.2265, 39.9006, 29.4004
YIQ	160.9090, -16.8220, -25.5420

Conversions

Conversions Part 2

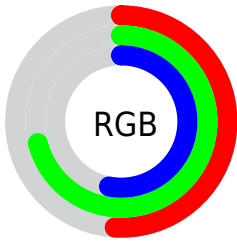
Format	Color
RYB	129, 176, 182
Decimal	8500872
CIELab	69.40, -26.81, 17.97
CIELCh	69, 32.276, 146.168
Yxy	39.9006, 0.3037, 0.4009
Android (android.graphics.Color)	4286690952 (0xFF81B688)
YUV	160.9090, -12.2801, -27.9842
Hunter-Lab	63.1669, -25.1266, 16.6209

Details

The Yxy color **39.9006, 0.3037, 0.4009** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.7452, 0.3233, 0.2664**, and the grayscale version is **35.6620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8905, 0.3062, 0.3867**, and **17.9921, 0.2998, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **38.1848, 0.3008, 0.4308**, and if you desaturate by 10%, it is **41.9398, 0.3068, 0.3735**.

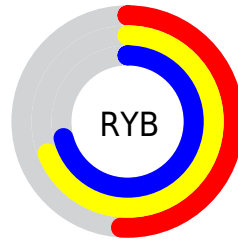
Distribution



Red (51%)

Green (71%)

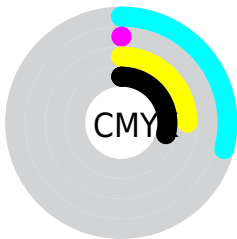
Blue (53%)



Red (51%)

Yellow (69%)

Blue (71%)

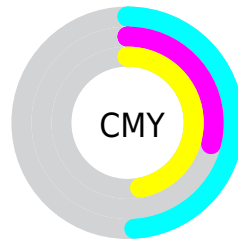


Cyan (29%)

Magenta (0%)

Yellow (25%)

Black (29%)



Cyan (49%)


Magenta (29%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9006, 0.3037, 0.4009 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 39.9006, 0.3037, 0.4009 by changing the saturation by 10% instead.


 39.9006, 0.3037,
0.4009


 39.9006, 0.3037,
0.4009


345.7044, 0.3091,
0.3625


 27.4611, 0.3020,
0.4114


 75.0121, 0.3059,
0.3863

 17.9198, 0.2995,
0.4253


 98.4529, 0.3067,
0.3810

 10.8924, 0.2958,
0.4449


 126.3295, 0.3073,
0.3766

 5.9945, 0.2897,
0.4742

159.0264, 0.3078,
0.3729

 2.8418, 0.2780,
0.5223

196.9280, 0.3082,
0.3697

 1.0497, 0.2416,
0.7584

240.4185, 0.3086,

 0.0000, 0.0000,

0.3670

0.0000

289.8826, 0.3089,
0.3646

■ 39.9006, 0.3037,
0.4009

■ 39.9006, 0.3037,
0.4009

■ 38.1848, 0.3008,
0.4308

■ 41.9398, 0.3068,
0.3735

■ 36.7711, 0.2982,
0.4623

■ 44.3126, 0.3099,
0.3489

■ 35.6433, 0.2963,
0.4942


■ 47.0349, 0.3130,
0.3272

■ 34.7818, 0.2951,
0.5246


■ 50.1201, 0.3159,
0.3082

■ 34.1642, 0.2949,
0.5516

■ 53.5809, 0.3186,
0.2918

 33.7647, 0.2957,
0.5733

 57.4293, 0.3212,
0.2775

 33.5388, 0.2970,
0.5885

 61.4075, 0.3224,
0.2650

 33.5224, 0.2971,
0.5896

 61.9365, 0.3161,
0.2575

Harmonies

Analogous

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



39.9006, 0.3506, 0.4152



39.9006, 0.3037, 0.4009



39.9006, 0.2613, 0.3618

Triad

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



39.9006, 0.3037, 0.4009



39.9006, 0.2392, 0.2561



39.9006, 0.3982, 0.3338

Complementary

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



39.9006, 0.3037, 0.4009



28.7452, 0.3233, 0.2664

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.



39.9006, 0.3638, 0.2976



39.9006, 0.3037, 0.4009



39.9006, 0.2709, 0.2544

Square

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



39.9006, 0.3037, 0.4009



39.9006, 0.2262, 0.2765



39.9006, 0.3162, 0.2694



39.9006, 0.4073, 0.3714

Rectangle

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



39.9006, 0.3037, 0.4009



39.9006, 0.2409, 0.3300



39.9006, 0.3162, 0.2694



39.9006, 0.3892, 0.3213

Sweetspot

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



39.9023, 0.3037, 0.4009



80.3193, 0.3099, 0.3490



44.2509, 0.3502, 0.4020



17.5934, 0.3095, 0.3524



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.



39.9023, 0.3037, 0.4009



70.2597, 0.3018, 0.4200



40.7223, 0.2851, 0.3597



10.0789, 0.3099, 0.3494



23.6785, 0.2967, 0.5883



0.8410, 0.2867, 0.5521

Inverse Universe

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



28.7452, 0.3233, 0.2664



46.6926, 0.3261, 0.2525



27.8298, 0.3518, 0.3004



9.1418, 0.3157, 0.3094



8.7736, 0.3567, 0.1739



0.3150, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 39.9006, 0.3037, 0.4009 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 39.9006, 0.3037, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

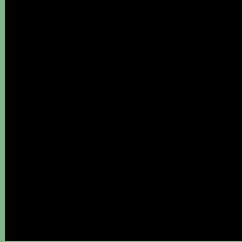
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9006, 0.3037, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 39.9006, 0.3037, 0.4009.



This preview shows how white text looks on a background with the Yxy color 39.9006, 0.3037, 0.4009.

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

39.9006, 0.3037, 0.4009

Protanopia

39.6909, 0.3577, 0.3833

Deuteranopia

39.3362, 0.3658, 0.3583



Tritanopia

39.8230, 0.2727, 0.3088

Trichromacy



Original Color

39.9006, 0.3037, 0.4009

Protanomaly

39.5151, 0.3360, 0.3905

Deuteranomaly

38.8979, 0.3408, 0.3719

Tritanomaly

39.8940, 0.2834, 0.3408

Monochromacy



Original Color

39.9006, 0.3037, 0.4009

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.0325, 0.3088, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9006, 0.3037, 0.4009 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(129, 182, 136)` looks like.

```
.text, #text, p{  
    color:rgb(129, 182, 136)  
}
```

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(129, 182, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 182, 136) }
```

Border

The CSS property to change the border of an element to Yxy 39.9006, 0.3037, 0.4009 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(129, 182, 136) }
```

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

```
.border{ border-color:rgb(129, 182, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 182, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 182, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 182, 136);  
box-shadow:4px 4px 4px 4px rgb(129, 182,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9006, 0.3037, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 182, 136) }
```

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

```
.background{ background-color: rgb(129,  
182, 136) }
```

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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