

Converting Colors

$Yxy(37.4297, 0.3061, 0.3965)$

Have a look what the booklet for
Yxy(37.4297, 0.3061, 0.3965)
contains.

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Color

Yxy(37.4390, 0.3054, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	81B086
RGB	129, 176, 134
RGB Percent	51%, 69%, 53%
CMY	0.4939, 0.3098, 0.4744
CMYK	0.27, 0.00, 0.24, 0.31
HSL	126°, 23%, 60%
HSV	126°, 27%, 69%
XYZ	28.8880, 37.4390, 28.2637
YIQ	157.1590, -14.5300, -23.0260

Conversions

Conversions Part 2

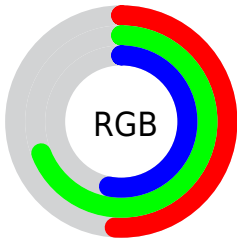
Format	Color
RYB	129, 171, 176
Decimal	8499334
CIELab	67.61, -24.19, 16.57
CIElCh	68, 29.322, 145.600
Yxy	37.4390, 0.3054, 0.3958
Android (android.graphics.Color)	4286689414 (0xFF81B086)
YUV	157.1590, -11.4174, -24.6954
Hunter-Lab	61.1874, -22.8040, 15.4439

Details

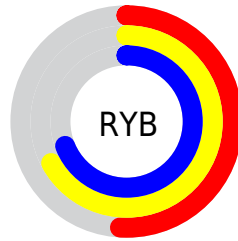
The Yxy color **37.4390, 0.3054, 0.3958** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.8841, 0.3209, 0.2703**, and the grayscale version is **33.8549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3684, 0.3075, 0.3827**, and **16.4257, 0.3018, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **35.7713, 0.3027, 0.4259**, and if you desaturate by 10%, it is **39.4126, 0.3082, 0.3683**.

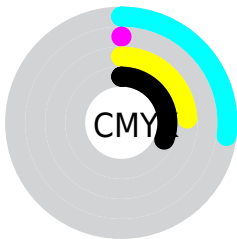
Distribution



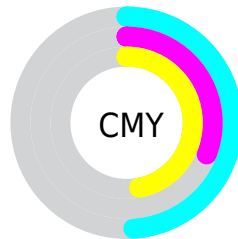
- Red (51%)
- Green (69%)
- Blue (53%)



- Red (51%)
- Yellow (67%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)



- Cyan (49%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4390, 0.3054, 0.3958 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 37.4390, 0.3054, 0.3958 by changing the saturation by 10% instead.


 37.4390, 0.3054,
0.3958


 37.4390, 0.3054,
0.3958


335.2073, 0.3099,
0.3598


 25.5476, 0.3039,
0.4057


 71.2475, 0.3073,
0.3821

 16.4855, 0.3019,
0.4190


 93.9333, 0.3079,
0.3771

 9.8683, 0.2986,
0.4378


 120.9860, 0.3084,
0.3730

 5.3118, 0.2931,
0.4663

152.7901, 0.3088,
0.3695

 2.4313, 0.2823,
0.5139

189.7298, 0.3091,
0.3666

 0.8419, 0.1993,
0.8007

232.1897, 0.3094,

 0.0000, 0.0000,

0.3640

0.0000

280.5540, 0.3097,
0.3618

■ 37.4390, 0.3054,
0.3958

■ 37.4390, 0.3054,
0.3958

■ 35.7713, 0.3027,
0.4259

■ 39.4126, 0.3082,
0.3683

■ 34.3898, 0.3003,
0.4579

■ 41.7013, 0.3109,
0.3437

■ 33.2796, 0.2983,
0.4905

■ 44.3200, 0.3136,
0.3221

■ 32.4229, 0.2969,
0.5219

■ 47.2808, 0.3161,
0.3033

■ 31.7994, 0.2964,
0.5499

■ 50.5956, 0.3184,
0.2870

■ 31.3859, 0.2967,
0.5725

■ 54.2756, 0.3205,
0.2730

■ 31.1510, 0.2977,
0.5883

■ 58.3314, 0.3225,
0.2608

■ 31.0936, 0.2978,
0.5922

■ 59.5279, 0.3163,
0.2517

Harmonies

Analogous

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



37.4390, 0.3489, 0.4087



37.4390, 0.3054, 0.3958



37.4390, 0.2656, 0.3602

Triad

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



37.4390, 0.3054, 0.3958



37.4390, 0.2437, 0.2613



37.4390, 0.3916, 0.3331

Complementary

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



37.4390, 0.3054, 0.3958



27.8841, 0.3209, 0.2703

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.



37.4390, 0.3594, 0.2993



37.4390, 0.3054, 0.3958



37.4390, 0.2732, 0.2591

Square

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



37.4390, 0.3054, 0.3958



37.4390, 0.2319, 0.2809



37.4390, 0.3152, 0.2729



37.4390, 0.4006, 0.3683

Rectangle

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



37.4390, 0.3054, 0.3958



37.4390, 0.2463, 0.3310



37.4390, 0.3152, 0.2729



37.4390, 0.3830, 0.3214

Sweetspot

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



37.4406, 0.3054, 0.3958



74.9936, 0.3105, 0.3472



41.3257, 0.3478, 0.3954



16.1138, 0.3101, 0.3507



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.4406, 0.3054, 0.3958



66.0639, 0.3038, 0.4133



38.1606, 0.2879, 0.3580



9.5042, 0.3102, 0.3500



22.8204, 0.2975, 0.5911



0.7227, 0.2886, 0.5589

Inverse Universe

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



27.8841, 0.3209, 0.2703



45.7969, 0.3231, 0.2572



27.0755, 0.3466, 0.3018



8.6309, 0.3153, 0.3089



8.5730, 0.3491, 0.1697



0.2742, 0.3403, 0.1648

Previews

White Background



This preview shows how the Yxy color 37.4390, 0.3054, 0.3958 looks on a white background.

Color Contrast Check

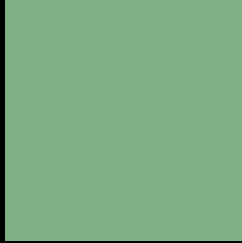
Large Text (above 18pt) WCAG AA × Fail

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 37.4390, 0.3054, 0.3958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

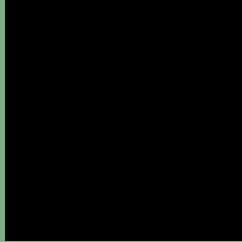
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4390, 0.3054, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 37.4390, 0.3054, 0.3958.



This preview shows how white text looks on a background with the Yxy color 37.4390, 0.3054, 0.3958.

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

37.4390, 0.3054, 0.3958

Protanopia

37.2234, 0.3562, 0.3804

Deuteranopia

37.1075, 0.3630, 0.3564



Tritanopia

37.1981, 0.2753, 0.3083

Trichromacy



Original Color

37.4390, 0.3054, 0.3958

Protanomaly

36.8861, 0.3362, 0.3860

Deuteranomaly

36.9319, 0.3396, 0.3699

Tritanomaly

37.3726, 0.2865, 0.3396

Monochromacy



Original Color

37.4390, 0.3054, 0.3958

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9239, 0.3098, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4390, 0.3054, 0.3958 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, 176, 134)` looks like.

```
.text, #text, p{  
    color:rgb(129, 176, 134)  
}
```

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, 176, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 176, 134) }
```

Border

The CSS property to change the border of an element to Yxy 37.4390, 0.3054, 0.3958 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, 176, 134) }
```

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

```
.border{ border-color:rgb(129, 176, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 176, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 176, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 176, 134);  
box-shadow:4px 4px 4px 4px rgb(129, 176,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4390, 0.3054, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 176, 134) }
```

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

```
.background{ background-color: rgb(129,  
176, 134) }
```

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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