

Converting Colors

$Yxy(39.9965, 0.2948, 0.3934)$

Have a look what the booklet for
Yxy(39.9965, 0.2948, 0.3934)
contains.

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Color

Yxy(40.0309, 0.2947, 0.3934)

Conversions

Conversions Part 1

Format	Color
Hex	7BB78E
RGB	123, 183, 142
RGB Percent	48%, 72%, 56%
CMY	0.5175, 0.2824, 0.4431
CMYK	0.33, 0.00, 0.22, 0.28
HSL	139°, 29%, 60%
HSV	139°, 33%, 72%
XYZ	29.9876, 40.0309, 31.7378
YIQ	160.3860, -22.5990, -25.4710

Conversions

Conversions Part 2

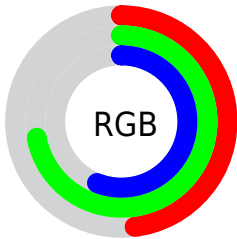
Format	Color
R_{YB}	123, 169, 183
Decimal	8107918
CIE _{Lab}	69.49, -28.11, 14.79
CIE _{LCh}	69, 31.766, 152.249
Yxy	40.0309, 0.2947, 0.3934
Android (android.graphics.Color)	4286297998 (0xFF7BB78E)
YUV	160.3860, -9.0643, -32.7875
Hunter-Lab	63.2700, -26.1203, 14.5477

Details

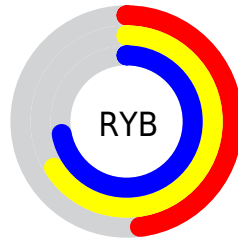
The Yxy color **40.0309, 0.2947, 0.3934** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.9220, 0.3372, 0.2724**, and the grayscale version is **35.3955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0656, 0.2983, 0.3798**, and **18.0776, 0.2874, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **38.4514, 0.2901, 0.4174**, and if you desaturate by 10%, it is **41.9082, 0.2999, 0.3713**.

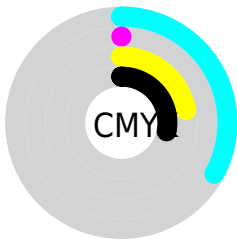
Distribution



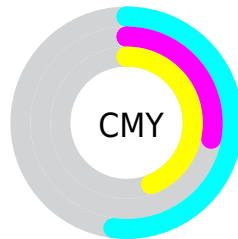
- Red (48%)
- Green (72%)
- Blue (56%)



- Red (48%)
- Yellow (66%)
- Blue (72%)



- Cyan (33%)
- Magenta (0%)
- Yellow (22%)
- Black (28%)





- Cyan (52%)
- Magenta (28%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0309, 0.2947, 0.3934 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 40.0309, 0.2947, 0.3934 by changing the saturation by 10% instead.


 40.0309, 0.2947,
0.3934


 40.0309, 0.2947,
0.3934

346.2538, 0.3046,
0.3590


 27.5626, 0.2919,
0.4027


 75.2106, 0.2985,
0.3804

 17.9962, 0.2881,
0.4152


 98.6908, 0.2999,
0.3756

 10.9473, 0.2826,
0.4327


 126.6104, 0.3010,
0.3717

 6.0314, 0.2742,
0.4589

159.3538, 0.3020,
0.3684

 2.8642, 0.2595,
0.5021

197.3055, 0.3028,
0.3655

 1.0612, 0.2106,
0.7153

240.8498, 0.3035,

 0.0000, 0.0000,

0.3631

0.0000

290.3711, 0.3041,
0.3609

■ 40.0309, 0.2947,
0.3934

■ 40.0309, 0.2947,
0.3934

■ 38.4514, 0.2901,
0.4174

■ 41.9082, 0.2999,
0.3713

■ 37.1491, 0.2863,
0.4428

■ 44.0927, 0.3055,
0.3514

■ 36.1090, 0.2838,
0.4690


■ 46.5993, 0.3111,
0.3336

■ 35.3121, 0.2827,
0.4949


■ 49.4407, 0.3168,
0.3178

■ 34.7370, 0.2833,
0.5195

■ 52.6286, 0.3223,
0.3040


 34.3581, 0.2855,
0.5415

 56.1744, 0.3275,
0.2920

 34.1707, 0.2876,
0.5555

 60.0890, 0.3325,
0.2815

 61.5422, 0.3258,
0.2702

 62.3203, 0.3163,
0.2588

Harmonies

Analogous

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



40.0309, 0.3409, 0.4131



40.0309, 0.2947, 0.3934



40.0309, 0.2552, 0.3519

Triad

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



40.0309, 0.2947, 0.3934



40.0309, 0.2453, 0.2554



40.0309, 0.4008, 0.3415

Complementary

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



40.0309, 0.2947, 0.3934



26.9220, 0.3372, 0.2724

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.



40.0309, 0.3714, 0.3049



40.0309, 0.2947, 0.3934



40.0309, 0.2798, 0.2573

Square

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



40.0309, 0.2947, 0.3934



40.0309, 0.2285, 0.2718



40.0309, 0.3259, 0.2751



40.0309, 0.4041, 0.3778

Rectangle

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



40.0309, 0.2947, 0.3934



40.0309, 0.2375, 0.3207



40.0309, 0.3259, 0.2751



40.0309, 0.3936, 0.3289

Sweetspot

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



40.0326, 0.2947, 0.3934



80.0837, 0.3070, 0.3465



43.2973, 0.3447, 0.4142



17.5547, 0.3062, 0.3491



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.



40.0326, 0.2947, 0.3934



69.6972, 0.2914, 0.4097



41.0200, 0.2746, 0.3470



10.1057, 0.3074, 0.3450



23.8497, 0.2870, 0.5533



0.8523, 0.2716, 0.4978

Inverse Universe

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



26.9220, 0.3372, 0.2724



42.7265, 0.3440, 0.2605



25.9907, 0.3721, 0.3120



9.1131, 0.3184, 0.3135



8.0708, 0.4192, 0.2083



0.2952, 0.3882, 0.1912

Previews

White Background



This preview shows how the Yxy color 40.0309, 0.2947, 0.3934 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 40.0309, 0.2947, 0.3934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

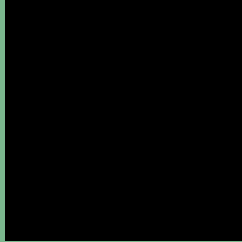
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0309, 0.2947, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 40.0309, 0.2947, 0.3934.



This preview shows how white text looks on a background with the Yxy color 40.0309, 0.2947, 0.3934.

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

40.0309, 0.2947, 0.3934

Protanopia

39.7089, 0.3522, 0.3764

Deuteranopia

39.6072, 0.3577, 0.3517



Tritanopia

39.7988, 0.2671, 0.3072

Trichromacy



Original Color

40.0309, 0.2947, 0.3934

Protanomaly

39.4780, 0.3291, 0.3819

Deuteranomaly

39.1186, 0.3324, 0.3649

Tritanomaly

39.9245, 0.2769, 0.3379

Monochromacy



Original Color

40.0309, 0.2947, 0.3934

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.5082, 0.3062, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0309, 0.2947, 0.3934 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(123, 183, 142)` looks like.

```
.text, #text, p{  
    color:rgb(123, 183, 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(123, 183, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 183, 142) }
```

Border

The CSS property to change the border of an element to Yxy 40.0309, 0.2947, 0.3934 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(123, 183, 142) }
```

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

```
.border{ border-color:rgb(123, 183, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 183, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 183, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 183, 142);  
box-shadow:4px 4px 4px 4px rgb(123, 183,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0309, 0.2947, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 183, 142) }
```

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

```
.background{ background-color: rgb(123,  
183, 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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