

Converting Colors

$Yxy(39.8179, 0.3015, 0.3752)$

Have a look what the booklet for
Yxy(39.8179, 0.3015, 0.3752)
contains.

Yxy(39.8134, 0.3014, 0.3746)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8134, 0.3014, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	8AB395
RGB	138, 179, 149
RGB Percent	54%, 70%, 58%
CMY	0.4586, 0.2981, 0.4156
CMYK	0.23, 0.00, 0.17, 0.30
HSL	136°, 21%, 62%
HSV	136°, 23%, 70%
XYZ	32.0335, 39.8134, 34.4355
YIQ	163.3210, -14.8060, -18.0220

Conversions

Conversions Part 2

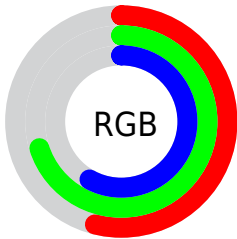
Format	Color
RYB	138, 170, 179
Decimal	9089941
CIELab	69.34, -19.87, 10.87
CIElCh	69, 22.650, 151.325
Yxy	39.8134, 0.3014, 0.3746
Android (android.graphics.Color)	4287280021 (0xFF8AB395)
YUV	163.3210, -7.0603, -22.2065
Hunter-Lab	63.0979, -19.8004, 11.8111

Details

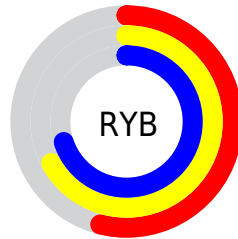
The Yxy color **39.8134, 0.3014, 0.3746** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.6037, 0.3264, 0.2874**, and the grayscale version is **36.8306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9349, 0.3038, 0.3658**, and **17.8298, 0.2975, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **38.0159, 0.2968, 0.3983**, and if you desaturate by 10%, it is **41.9130, 0.3063, 0.3532**.

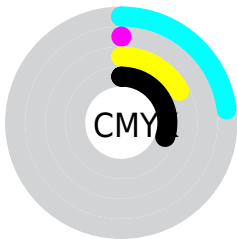
Distribution



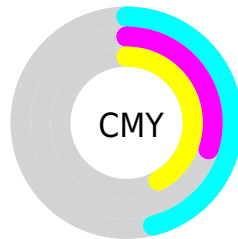
- Red (54%)
- Green (70%)
- Blue (58%)



- Red (54%)
- Yellow (67%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (17%)
- Black (30%)





- Cyan (46%)
- Magenta (30%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8134, 0.3014, 0.3746 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 39.8134, 0.3014, 0.3746 by changing the saturation by 10% instead.


 39.8134, 0.3014,
0.3746


 39.8134, 0.3014,
0.3746


345.3365, 0.3076,
0.3505


 27.3931, 0.2997,
0.3811


 74.8793, 0.3038,
0.3655

 17.8687, 0.2974,
0.3897


 98.2936, 0.3046,
0.3622

 10.8557, 0.2941,
0.4017


 126.1415, 0.3053,
0.3594

 5.9699, 0.2890,
0.4195

158.8072, 0.3059,
0.3571

 2.8268, 0.2804,
0.4487

196.6751, 0.3064,
0.3551

 1.0420, 0.2611,
0.5470

240.1297, 0.3068,

 0.0000, 0.0000,

0.3534

0.0000

289.5554, 0.3072,
0.3518

■ 39.8134, 0.3014,
0.3746

■ 39.8134, 0.3014,
0.3746

■ 38.0159, 0.2968,
0.3983

■ 41.9130, 0.3063,
0.3532

■ 36.5016, 0.2926,
0.4240

■ 44.3227, 0.3113,
0.3341

■ 35.2572, 0.2893,
0.4512

■ 47.0562, 0.3162,
0.3172

■ 34.2663, 0.2870,
0.4790

■ 50.1252, 0.3210,
0.3025

■ 33.5108, 0.2861,
0.5062

■ 53.5405, 0.3255,
0.2896

■ 32.9697, 0.2867,
0.5314

■ 57.3126, 0.3298,
0.2784

■ 32.6186, 0.2888,
0.5533

■ 59.8336, 0.3271,
0.2674

■ 32.4495, 0.2907,
0.5666

■ 60.6443, 0.3171,
0.2556

■ 60.7168, 0.3162,
0.2546

Harmonies

Analogous

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



39.8134, 0.3347, 0.3883



39.8134, 0.3014, 0.3746



39.8134, 0.2722, 0.3465

Triad

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



39.8134, 0.3014, 0.3746



39.8134, 0.2631, 0.2757



39.8134, 0.3750, 0.3383

Complementary

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



39.8134, 0.3014, 0.3746



30.6037, 0.3264, 0.2874

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.



39.8134, 0.3537, 0.3111



39.8134, 0.3014, 0.3746



39.8134, 0.2884, 0.2761

Square

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



39.8134, 0.3014, 0.3746



39.8134, 0.2510, 0.2889



39.8134, 0.3215, 0.2889



39.8134, 0.3783, 0.3647

Rectangle

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



39.8134, 0.3014, 0.3746



39.8134, 0.2586, 0.3249



39.8134, 0.3215, 0.2889



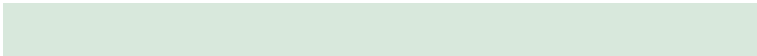
39.8134, 0.3697, 0.3290

Sweetspot

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



39.8151, 0.3014, 0.3746



77.4864, 0.3092, 0.3419



42.4064, 0.3365, 0.3870



17.1106, 0.3089, 0.3430



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



39.8151, 0.3014, 0.3746



69.7727, 0.2992, 0.3852



40.5258, 0.2862, 0.3431



9.5262, 0.3081, 0.3461



22.9423, 0.2902, 0.5646



0.7318, 0.2741, 0.5068

Inverse Universe

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



30.6037, 0.3264, 0.2874



50.6084, 0.3297, 0.2787



29.9010, 0.3481, 0.3155



8.6071, 0.3177, 0.3125



7.9430, 0.4013, 0.1984



0.2590, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 39.8134, 0.3014, 0.3746 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 39.8134, 0.3014, 0.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

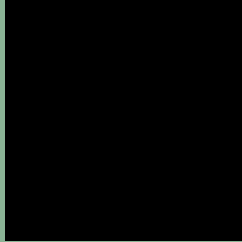
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8134, 0.3014, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 39.8134, 0.3014, 0.3746.



This preview shows how white text looks on a background with the Yxy color 39.8134, 0.3014, 0.3746.

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

39.8134, 0.3014, 0.3746

Protanopia

39.4839, 0.3434, 0.3625

Deuteranopia

39.5378, 0.3500, 0.3438



Tritanopia

39.8797, 0.2785, 0.3104

Trichromacy



Original Color

39.8134, 0.3014, 0.3746

Protanomaly

39.3669, 0.3264, 0.3667

Deuteranomaly

39.3810, 0.3311, 0.3544

Tritanomaly

39.8186, 0.2865, 0.3333

Monochromacy



Original Color

39.8134, 0.3014, 0.3746

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.7146, 0.3083, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8134, 0.3014, 0.3746 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(138, 179, 149)` looks like.

```
.text, #text, p{  
    color:rgb(138, 179, 149)  
}
```

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(138, 179, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 179, 149) }
```

Border

The CSS property to change the border of an element to Yxy 39.8134, 0.3014, 0.3746 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(138, 179, 149) }
```

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

```
.border{ border-color:rgb(138, 179, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 179, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 179, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 179, 149);  
box-shadow:4px 4px 4px 4px rgb(138, 179,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8134, 0.3014, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 179, 149) }
```

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

```
.background{ background-color: rgb(138,  
179, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor