

Converting Colors

$Yxy(37.9720, 0.3071, 0.3952)$

Have a look what the booklet for
Yxy(37.9720, 0.3071, 0.3952)
contains.

Yxy(38.0991, 0.3071, 0.3951)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.0991, 0.3071, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	84B187
RGB	132, 177, 135
RGB Percent	52%, 69%, 53%
CMY	0.4823, 0.3059, 0.4706
CMYK	0.25, 0.00, 0.24, 0.31
HSL	124°, 22%, 61%
HSV	124°, 25%, 69%
XYZ	29.6133, 38.0991, 28.7166
YIQ	158.7570, -13.3380, -22.6020

Conversions

Conversions Part 2

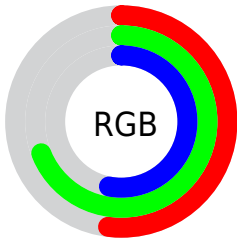
Format	Color
RYB	132, 174, 177
Decimal	8696199
CIELab	68.09, -23.51, 16.73
CIElCh	68, 28.854, 144.562
Yxy	38.0991, 0.3071, 0.3951
Android (android.graphics.Color)	4286886279 (0xFF84B187)
YUV	158.7570, -11.7122, -23.4659
Hunter-Lab	61.7245, -22.3795, 15.6232

Details

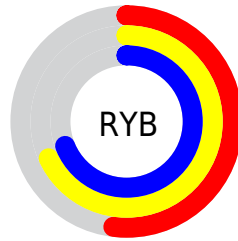
The Yxy color **38.0991, 0.3071, 0.3951** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.9111, 0.3187, 0.2708**, and the grayscale version is **34.6157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3478, 0.3089, 0.3822**, and **16.8205, 0.3041, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **36.3625, 0.3048, 0.4263**, and if you desaturate by 10%, it is **40.1532, 0.3094, 0.3667**.

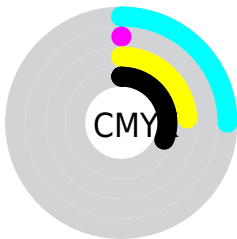
Distribution



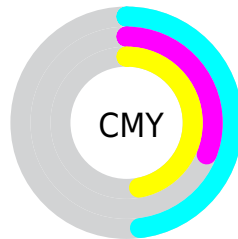
- Red (52%)
- Green (69%)
- Blue (53%)



- Red (52%)
- Yellow (68%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)





- Cyan (48%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0991, 0.3071, 0.3951 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 38.0991, 0.3071, 0.3951 by changing the saturation by 10% instead.


 38.0991, 0.3071,
0.3951


 38.0991, 0.3071,
0.3951


338.0449, 0.3107,
0.3596

 26.0596, 0.3059,
0.4048


 72.2600, 0.3086,
0.3816

 16.8682, 0.3041,
0.4178


 95.1502, 0.3091,
0.3767

 10.1406, 0.3014,
0.4362


 122.4261, 0.3095,
0.3727

 5.4923, 0.2966,
0.4638

154.4721, 0.3098,
0.3692

 2.5389, 0.2872,
0.5097

191.6726, 0.3101,
0.3663

 0.8960, 0.2366,
0.7634

234.4120, 0.3103,

 0.0000, 0.0000,

0.3638

0.0000

283.0746, 0.3105,
0.3616

■ 38.0991, 0.3071,
0.3951

■ 38.0991, 0.3071,
0.3951

■ 36.3625, 0.3048,
0.4263

■ 40.1532, 0.3094,
0.3667

■ 34.9232, 0.3027,
0.4594

■ 42.5346, 0.3116,
0.3414

■ 33.7658, 0.3008,
0.4931

■ 45.2583, 0.3136,
0.3192

■ 32.8718, 0.2993,
0.5253

■ 48.3372, 0.3156,
0.2999

■ 32.2205, 0.2985,
0.5537

■ 51.7834, 0.3173,
0.2833

■ 31.7880, 0.2983,
0.5761

■ 55.6084, 0.3189,
0.2690

■ 31.5448, 0.2988,
0.5911

■ 59.6488, 0.3196,
0.2565

■ 31.4702, 0.2988,
0.5956

■ 59.9242, 0.3163,
0.2527

Harmonies

Analogous

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



38.0991, 0.3496, 0.4069



38.0991, 0.3071, 0.3951



38.0991, 0.2678, 0.3610

Triad

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



38.0991, 0.3071, 0.3951



38.0991, 0.2444, 0.2630



38.0991, 0.3891, 0.3319

Complementary

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



38.0991, 0.3071, 0.3951



28.9111, 0.3187, 0.2708

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.



38.0991, 0.3570, 0.2988



38.0991, 0.3071, 0.3951



38.0991, 0.2728, 0.2603

Square

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



38.0991, 0.3071, 0.3951



38.0991, 0.2334, 0.2830



38.0991, 0.3137, 0.2733



38.0991, 0.3988, 0.3665

Rectangle

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



38.0991, 0.3071, 0.3951



38.0991, 0.2484, 0.3325



38.0991, 0.3137, 0.2733



38.0991, 0.3805, 0.3204

Sweetspot

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



38.1007, 0.3071, 0.3951



74.9569, 0.3110, 0.3480



42.1958, 0.3483, 0.3917



16.1046, 0.3107, 0.3516



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.



38.1007, 0.3071, 0.3951



66.5812, 0.3059, 0.4107



38.7773, 0.2907, 0.3600



9.4989, 0.3107, 0.3509



22.8047, 0.2985, 0.5948



0.7205, 0.2926, 0.5734

Inverse Universe

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



28.9111, 0.3187, 0.2708



47.5402, 0.3200, 0.2590



28.1302, 0.3421, 0.3000



8.6368, 0.3147, 0.3080



8.7505, 0.3380, 0.1636



0.2782, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 38.0991, 0.3071, 0.3951 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 38.0991, 0.3071, 0.3951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

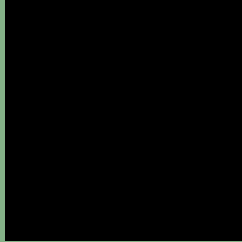
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0991, 0.3071, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 38.0991, 0.3071, 0.3951.



This preview shows how white text looks on a background with the Yxy color 38.0991, 0.3071, 0.3951.

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

38.0991, 0.3071, 0.3951

Protanopia

37.7254, 0.3559, 0.3802

Deuteranopia

37.7367, 0.3638, 0.3561



Tritanopia

37.8729, 0.2771, 0.3085

Trichromacy



Original Color

38.0991, 0.3071, 0.3951

Protanomaly

37.4882, 0.3371, 0.3855

Deuteranomaly

37.6535, 0.3414, 0.3694

Tritanomaly

38.0436, 0.2883, 0.3395

Monochromacy



Original Color

38.0991, 0.3071, 0.3951

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.8640, 0.3107, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0991, 0.3071, 0.3951 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, 177, 135)` looks like.

```
.text, #text, p{  
    color:rgb(132, 177, 135)  
}
```

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, 177, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 177, 135) }
```

Border

The CSS property to change the border of an element to Yxy 38.0991, 0.3071, 0.3951 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, 177, 135) }
```

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

```
.border{ border-color:rgb(132, 177, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 177, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 177, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 177, 135);  
box-shadow:4px 4px 4px 4px rgb(132, 177,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0991, 0.3071, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 177, 135) }
```

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

```
.background{ background-color: rgb(132,  
177, 135) }
```

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