

Converting Colors

$Yxy(38.0031, 0.3028, 0.3823)$

Have a look what the booklet for
Yxy(38.0031, 0.3028, 0.3823)
contains.

Yxy(37.9902, 0.3026, 0.3822)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9902, 0.3026, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	85B08E
RGB	133, 176, 142
RGB Percent	52%, 69%, 56%
CMY	0.4785, 0.3098, 0.4432
CMYK	0.24, 0.00, 0.19, 0.31
HSL	133°, 21%, 61%
HSV	133°, 24%, 69%
XYZ	30.0781, 37.9902, 31.3305
YIQ	159.2670, -14.7140, -19.6900

Conversions

Conversions Part 2

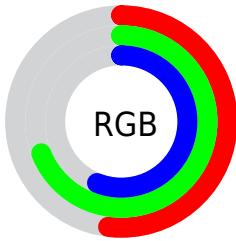
Format	Color
RYB	133, 169, 176
Decimal	8761486
CIELab	68.01, -21.40, 12.81
CIELCh	68, 24.942, 149.089
Yxy	37.9902, 0.3026, 0.3822
Android (android.graphics.Color)	4286951566 (0xFF85B08E)
YUV	159.2670, -8.5126, -23.0362
Hunter-Lab	61.6362, -20.7565, 13.0074

Details

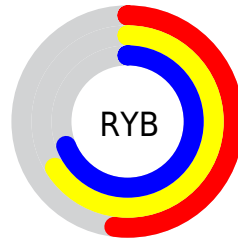
The Yxy color **37.9902, 0.3026, 0.3822** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.7938, 0.3248, 0.2811**, and the grayscale version is **34.8434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2635, 0.3048, 0.3713**, and **16.7325, 0.2980, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **36.2850, 0.2987, 0.4082**, and if you desaturate by 10%, it is **39.9909, 0.3067, 0.3586**.

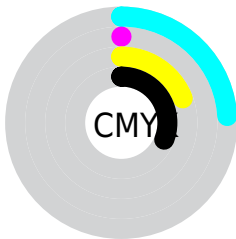
Distribution



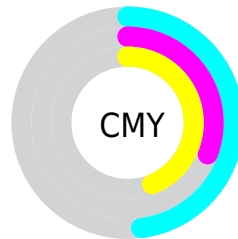
- Red (52%)
- Green (69%)
- Blue (56%)



- Red (52%)
- Yellow (66%)
- Blue (69%)



- Cyan (24%)
- Magenta (0%)
- Yellow (19%)
- Black (31%)




- Cyan (48%)
- Magenta (31%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9902, 0.3026, 0.3822 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 37.9902, 0.3026, 0.3822 by changing the saturation by 10% instead.


 37.9902, 0.3026,
0.3822

 37.9902, 0.3026,
0.3822


337.5779, 0.3083,
0.3538


 25.9751, 0.3009,
0.3899


 72.0931, 0.3048,
0.3714

 16.8050, 0.2987,
0.4003


 94.9497, 0.3056,
0.3675

 10.0956, 0.2953,
0.4149


 122.1889, 0.3063,
0.3642

 5.4624, 0.2900,
0.4369

154.1951, 0.3068,
0.3615

 2.5210, 0.2804,
0.4735

191.3527, 0.3073,
0.3592

 0.8871, 0.2510,
0.6941

234.0461, 0.3077,

 0.0000, 0.0000,

0.3571

0.0000

282.6597, 0.3080,
0.3553

■ 37.9902, 0.3026,
0.3822

■ 37.9902, 0.3026,
0.3822

■ 36.2850, 0.2987,
0.4082

■ 39.9909, 0.3067,
0.3586

■ 34.8566, 0.2952,
0.4363

■ 42.2952, 0.3109,
0.3375

■ 33.6916, 0.2925,
0.4657

■ 44.9168, 0.3150,
0.3190

■ 32.7735, 0.2907,
0.4951

■ 47.8674, 0.3189,
0.3028

■ 32.0840, 0.2901,
0.5232

■ 51.1577, 0.3226,
0.2887

■ 31.6021, 0.2908,
0.5482

■ 54.7982, 0.3261,
0.2765

■ 31.3027, 0.2927,
0.5687

■ 58.5715, 0.3284,
0.2657

■ 31.1859, 0.2939,
0.5779

■ 59.4284, 0.3176,
0.2532

■ 59.5337, 0.3163,
0.2517

Harmonies

Analogous

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



37.9902, 0.3398, 0.3959



37.9902, 0.3026, 0.3822



37.9902, 0.2695, 0.3512

Triad

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



37.9902, 0.3026, 0.3822



37.9902, 0.2560, 0.2702



37.9902, 0.3813, 0.3367

Complementary

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



37.9902, 0.3026, 0.3822



28.7938, 0.3248, 0.2811

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.



37.9902, 0.3562, 0.3069



37.9902, 0.3026, 0.3822



37.9902, 0.2830, 0.2697

Square

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



37.9902, 0.3026, 0.3822



37.9902, 0.2438, 0.2858



37.9902, 0.3196, 0.2830



37.9902, 0.3866, 0.3664

Rectangle

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



37.9902, 0.3026, 0.3822



37.9902, 0.2538, 0.3268



37.9902, 0.3196, 0.2830



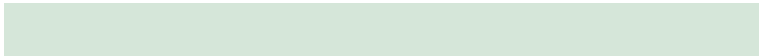
37.9902, 0.3749, 0.3264

Sweetspot

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



37.9918, 0.3026, 0.3822



75.5260, 0.3098, 0.3429



41.0064, 0.3408, 0.3905



16.3143, 0.3095, 0.3441



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.



37.9918, 0.3026, 0.3822



67.2650, 0.3006, 0.3951



38.6874, 0.2867, 0.3486



9.5182, 0.3089, 0.3475



22.8866, 0.2934, 0.5764



0.7285, 0.2790, 0.5244

Inverse Universe

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



28.7938, 0.3248, 0.2811



47.8519, 0.3278, 0.2709



28.0753, 0.3479, 0.3104



8.6157, 0.3168, 0.3112



8.1533, 0.3810, 0.1873



0.2642, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 37.9902, 0.3026, 0.3822 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 37.9902, 0.3026, 0.3822 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 37.9902, 0.3026, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 37.9902, 0.3026, 0.3822.



This preview shows how white text looks on a background with the Yxy color 37.9902, 0.3026, 0.3822.

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

37.9902, 0.3026, 0.3822

Protanopia

37.8304, 0.3476, 0.3688

Deuteranopia

37.5320, 0.3548, 0.3482



Tritanopia

37.8729, 0.2771, 0.3085

Trichromacy



Original Color

37.9902, 0.3026, 0.3822

Protanomaly

37.7136, 0.3301, 0.3734

Deuteranomaly

37.2487, 0.3342, 0.3594

Tritanomaly

37.7729, 0.2860, 0.3334

Monochromacy



Original Color

37.9902, 0.3026, 0.3822

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.6942, 0.3091, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9902, 0.3026, 0.3822 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(133, 176, 142)` looks like.

```
.text, #text, p{  
    color:rgb(133, 176, 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(133, 176, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 176, 142) }
```

Border

The CSS property to change the border of an element to Yxy 37.9902, 0.3026, 0.3822 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(133, 176, 142) }
```

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

```
.border{ border-color:rgb(133, 176, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 176, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 176, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 176, 142);  
box-shadow:4px 4px 4px 4px rgb(133, 176,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9902, 0.3026, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 176, 142) }
```

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

```
.background{ background-color: rgb(133,  
176, 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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