

Converting Colors

$Yxy(37.9759, 0.2998, 0.3884)$

Have a look what the booklet for
Yxy(37.9759, 0.2998, 0.3884)
contains.

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Color

Yxy(37.9269, 0.3000, 0.3875)

Conversions

Conversions Part 1

Format	Color
Hex	80B18C
RGB	128, 177, 140
RGB Percent	50%, 69%, 55%
CMY	0.4979, 0.3059, 0.4510
CMYK	0.28, 0.00, 0.21, 0.31
HSL	135°, 24%, 60%
HSV	135°, 28%, 69%
XYZ	29.3628, 37.9269, 30.5862
YIQ	158.1310, -17.3270, -21.8950

Conversions

Conversions Part 2

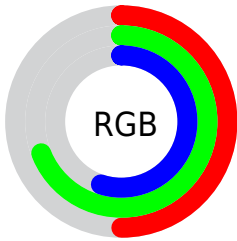
Format	Color
RYB	128, 167, 177
Decimal	8434060
CIELab	67.97, -23.92, 13.79
CIELCh	68, 27.609, 150.044
Yxy	37.9269, 0.3000, 0.3875
Android (android.graphics.Color)	4286624140 (0xFF80B18C)
YUV	158.1310, -8.9386, -26.4249
Hunter-Lab	61.5848, -22.6672, 13.6629

Details

The Yxy color **37.9269, 0.3000, 0.3875** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.5136, 0.3286, 0.2769**, and the grayscale version is **34.3063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1180, 0.3027, 0.3753**, and **16.7313, 0.2947, 0.4070** is the 20% darker color. If you saturate the color by 10%, you get **36.3022, 0.2958, 0.4130**, and if you desaturate by 10%, it is **39.8422, 0.3045, 0.3642**.

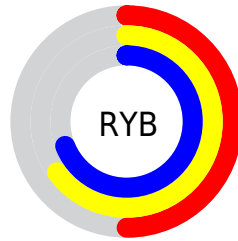
Distribution



Red (50%)

Green (69%)

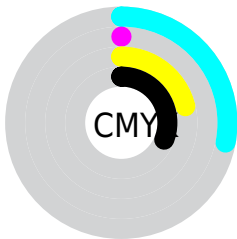
Blue (55%)



Red (50%)

Yellow (65%)

Blue (69%)

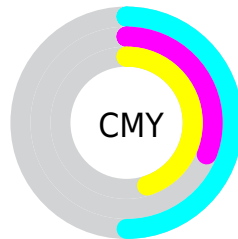


Cyan (28%)

Magenta (0%)

Yellow (21%)

Black (31%)



Cyan (50%)


Magenta (31%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9269, 0.3000, 0.3875 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 37.9269, 0.3000, 0.3875 by changing the saturation by 10% instead.


 37.9269, 0.3000,
0.3875


 37.9269, 0.3000,
0.3875


337.3063, 0.3071,
0.3561


 25.9260, 0.2979,
0.3961


 71.9961, 0.3028,
0.3756

 16.7683, 0.2951,
0.4076


 94.8331, 0.3038,
0.3712

 10.0694, 0.2909,
0.4238


 122.0510, 0.3046,
0.3677

 5.4450, 0.2843,
0.4484

154.0340, 0.3053,
0.3646

 2.5107, 0.2724,
0.4894

191.1667, 0.3058,
0.3621

 0.8820, 0.2238,
0.7762

233.8334, 0.3063,

 0.0000, 0.0000,

0.3598

0.0000

282.4184, 0.3068,
0.3579

■ 37.9269, 0.3000,
0.3875

■ 37.9269, 0.3000,
0.3875

■ 36.3022, 0.2958,
0.4130

■ 39.8422, 0.3045,
0.3642

■ 34.9491, 0.2922,
0.4403

■ 42.0565, 0.3092,
0.3434

■ 33.8539, 0.2895,
0.4687

■ 44.5836, 0.3138,
0.3249

■ 32.9996, 0.2880,
0.4970

■ 47.4353, 0.3183,
0.3087

■ 32.3673, 0.2878,
0.5238

■ 50.6225, 0.3226,
0.2945

■ 31.9350, 0.2891,
0.5477

■ 54.1558, 0.3267,
0.2823

■ 31.6695, 0.2915,
0.5673

■ 58.0451, 0.3305,
0.2716

■ 31.6187, 0.2920,
0.5713

■ 59.4174, 0.3224,
0.2598

■ 59.9224, 0.3163,
0.2527

Harmonies

Analogous

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



37.9269, 0.3411, 0.4033



37.9269, 0.3000, 0.3875



37.9269, 0.2639, 0.3523

Triad

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



37.9269, 0.3000, 0.3875



37.9269, 0.2509, 0.2639



37.9269, 0.3894, 0.3382

Complementary

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



37.9269, 0.3000, 0.3875



27.5136, 0.3286, 0.2769

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.



37.9269, 0.3620, 0.3055



37.9269, 0.3000, 0.3875



37.9269, 0.2810, 0.2642

Square

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



37.9269, 0.3000, 0.3875



37.9269, 0.2371, 0.2802



37.9269, 0.3215, 0.2792



37.9269, 0.3943, 0.3708

Rectangle

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



37.9269, 0.3000, 0.3875



37.9269, 0.2471, 0.3250



37.9269, 0.3215, 0.2792



37.9269, 0.3824, 0.3269

Sweetspot

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



37.9285, 0.3000, 0.3875



75.1239, 0.3089, 0.3443



41.0629, 0.3429, 0.3994



16.1466, 0.3082, 0.3473



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.



37.9285, 0.3000, 0.3875



66.1519, 0.2975, 0.4023



38.7130, 0.2823, 0.3489



9.5230, 0.3084, 0.3467



22.9185, 0.2915, 0.5696



0.7305, 0.2760, 0.5136

Inverse Universe

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



27.5136, 0.3286, 0.2769



44.4767, 0.3328, 0.2655



26.7219, 0.3559, 0.3101



8.6105, 0.3174, 0.3120



8.0241, 0.3931, 0.1939



0.2610, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 37.9269, 0.3000, 0.3875 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 37.9269, 0.3000, 0.3875 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 37.9269, 0.3000, 0.3875

Background



This preview shows how black text looks on a background with the Yxy color 37.9269, 0.3000, 0.3875.



This preview shows how white text looks on a background with the Yxy color 37.9269, 0.3000, 0.3875.

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

37.9269, 0.3000, 0.3875

Protanopia

37.7455, 0.3503, 0.3731

Deuteranopia

37.6287, 0.3568, 0.3495



Tritanopia

37.8628, 0.2726, 0.3084

Trichromacy



Original Color

37.9269, 0.3000, 0.3875

Protanomaly

37.4226, 0.3308, 0.3782

Deuteranomaly

37.4711, 0.3339, 0.3624

Tritanomaly

37.7383, 0.2821, 0.3350

Monochromacy



Original Color

37.9269, 0.3000, 0.3875

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.3477, 0.3080, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9269, 0.3000, 0.3875 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(128, 177, 140)` looks like.

```
.text, #text, p{  
    color:rgb(128, 177, 140)  
}
```

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(128, 177, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 177, 140) }
```

Border

The CSS property to change the border of an element to Yxy 37.9269, 0.3000, 0.3875 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(128, 177, 140) }
```

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

```
.border{ border-color:rgb(128, 177, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 177, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 177, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 177, 140);  
box-shadow:4px 4px 4px 4px rgb(128, 177,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9269, 0.3000, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 177, 140) }
```

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

```
.background{ background-color: rgb(128,  
177, 140) }
```

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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