

Converting Colors

$Y_{xy}(40.1410, 0.3090, 0.3952)$

Have a look what the booklet for
Yxy(40.1410, 0.3090, 0.3952)
contains.

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Color

Yxy(40.2011, 0.3088, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	89B58A
RGB	137, 181, 138
RGB Percent	54%, 71%, 54%
CMY	0.4627, 0.2902, 0.4588
CMYK	0.24, 0.00, 0.24, 0.29
HSL	121°, 23%, 62%
HSV	121°, 24%, 71%
XYZ	31.4281, 40.2011, 30.1457
YIQ	162.9420, -12.4210, -22.7010

Conversions

Conversions Part 2

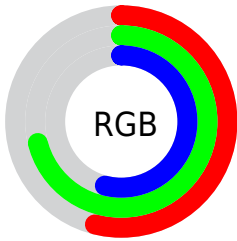
Format	Color
RYB	137, 180, 181
Decimal	9024906
CIELab	69.61, -23.27, 17.26
CIELCh	70, 28.969, 143.440
Yxy	40.2011, 0.3088, 0.3950
Android (android.graphics.Color)	4287214986 (0xFF89B58A)
YUV	162.9420, -12.2964, -22.7511
Hunter-Lab	63.4043, -22.4792, 16.1935

Details

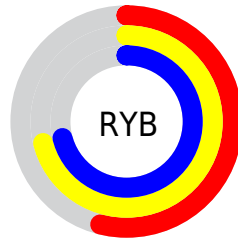
The Yxy color **40.2011, 0.3088, 0.3950** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.0129, 0.3165, 0.2708**, and the grayscale version is **36.6616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4505, 0.3096, 0.3812**, and **18.1214, 0.3064, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **38.3278, 0.3070, 0.4274**, and if you desaturate by 10%, it is **42.4179, 0.3105, 0.3655**.

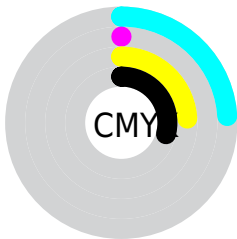
Distribution



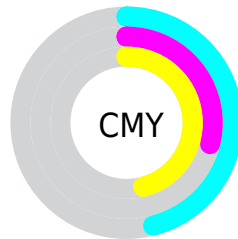
- Red (54%)
- Green (71%)
- Blue (54%)



- Red (54%)
- Yellow (71%)
- Blue (71%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)




- Cyan (46%)
- Magenta (29%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2011, 0.3088, 0.3950 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 40.2011, 0.3088, 0.3950 by changing the saturation by 10% instead.


 40.2011, 0.3088,
0.3950


 40.2011, 0.3088,
0.3950


346.9704, 0.3115,
0.3599


 27.6954, 0.3078,
0.4045


 75.4696, 0.3100,
0.3817

 18.0962, 0.3064,
0.4171


 99.0013, 0.3104,
0.3769

 11.0190, 0.3042,
0.4348


 126.9769, 0.3106,
0.3729

 6.0796, 0.3003,
0.4610

159.7811, 0.3109,
0.3695

 2.8936, 0.2924,
0.5038

197.7981, 0.3111,
0.3666

 1.0764, 0.2918,
0.7082

241.4125, 0.3112,

 0.0000, 0.0000,

0.3640

0.0000

291.0084, 0.3114,
0.3618

■ 40.2011, 0.3088,
0.3950

■ 40.2011, 0.3088,
0.3950

■ 38.3278, 0.3070,
0.4274

■ 42.4179, 0.3105,
0.3655

■ 36.7760, 0.3052,
0.4619

■ 44.9888, 0.3121,
0.3393

■ 35.5293, 0.3034,
0.4968

■ 47.9302, 0.3135,
0.3163

■ 34.5674, 0.3019,
0.5298

■ 51.2558, 0.3148,
0.2965

■ 33.8680, 0.3007,
0.5584

■ 54.9789, 0.3159,
0.2794

■ 33.4051, 0.3000,
0.5802

■ 59.1121, 0.3169,
0.2648

■ 33.1477, 0.2998,
0.5938

■ 61.5291, 0.3161,
0.2566

■ 33.0580, 0.2996,
0.5985

Harmonies

Analogous

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



40.2011, 0.3507, 0.4058



40.2011, 0.3088, 0.3950



40.2011, 0.2697, 0.3620

Triad

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



40.2011, 0.3088, 0.3950



40.2011, 0.2445, 0.2643



40.2011, 0.3872, 0.3307

Complementary

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



40.2011, 0.3088, 0.3950



31.0129, 0.3165, 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.



40.2011, 0.3550, 0.2981



40.2011, 0.3088, 0.3950



40.2011, 0.2720, 0.2610

Square

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



40.2011, 0.3088, 0.3950



40.2011, 0.2344, 0.2847



40.2011, 0.3121, 0.2733



40.2011, 0.3977, 0.3648

Rectangle

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



40.2011, 0.3088, 0.3950



40.2011, 0.2502, 0.3340



40.2011, 0.3121, 0.2733



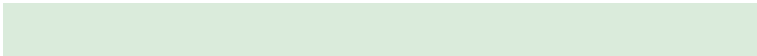
40.2011, 0.3785, 0.3193

Sweetspot

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



40.2028, 0.3088, 0.3950



79.2114, 0.3117, 0.3463



44.5911, 0.3481, 0.3888



17.0609, 0.3116, 0.3478



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.



40.2028, 0.3088, 0.3950



70.1869, 0.3079, 0.4115



40.8968, 0.2926, 0.3608



9.4931, 0.3113, 0.3520



22.7900, 0.2995, 0.5982



0.7181, 0.2974, 0.5907

Inverse Universe

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



31.0129, 0.3165, 0.2708



50.9600, 0.3173, 0.2584



30.1951, 0.3390, 0.2993



8.6434, 0.3141, 0.3071



8.9601, 0.3265, 0.1572



0.2830, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 40.2011, 0.3088, 0.3950 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 40.2011, 0.3088, 0.3950 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 40.2011, 0.3088, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 40.2011, 0.3088, 0.3950.



This preview shows how white text looks on a background with the Yxy color 40.2011, 0.3088, 0.3950.

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

40.2011, 0.3088, 0.3950

Protanopia

39.8656, 0.3569, 0.3803

Deuteranopia

39.8831, 0.3645, 0.3568



Tritanopia

40.0139, 0.2786, 0.3090

Trichromacy



Original Color

40.2011, 0.3088, 0.3950

Protanomaly

39.6077, 0.3384, 0.3855

Deuteranomaly

39.7865, 0.3426, 0.3698

Tritanomaly

40.1862, 0.2896, 0.3392

Monochromacy



Original Color

40.2011, 0.3088, 0.3950

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.9526, 0.3116, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2011, 0.3088, 0.3950 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(137, 181, 138)` looks like.

```
.text, #text, p{  
    color:rgb(137, 181, 138)  
}
```

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(137, 181, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 181, 138) }
```

Border

The CSS property to change the border of an element to Yxy 40.2011, 0.3088, 0.3950 is called "border". The border property can be set on classes, ids or directly on the HTML element.

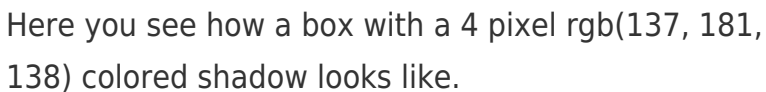
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 181, 138) }
```

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

```
.border{ border-color:rgb(137, 181, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 181, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 181, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 181, 138); box-shadow:4px 4px 4px 4px rgb(137, 181, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2011, 0.3088, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 181, 138) }
```

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

```
.background{ background-color: rgb(137,  
181, 138) }
```

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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