

Converting Colors

Yxy(38.4432, 0.3183, 0.4083)

Have a look what the booklet for
Yxy(38.4432, 0.3183, 0.4083)
contains.

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Color

Yxy(38.2690, 0.3183, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	89B17E
RGB	137, 177, 126
RGB Percent	54%, 69%, 49%
CMY	0.4628, 0.3059, 0.5058
CMYK	0.23, 0.00, 0.29, 0.31
HSL	107°, 25%, 59%
HSV	107°, 29%, 69%
XYZ	29.8043, 38.2690, 25.5626
YIQ	159.2260, -7.4690, -24.3410

Conversions

Conversions Part 2

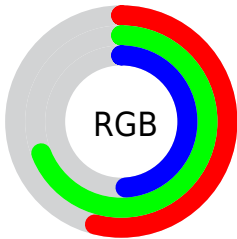
Format	Color
RYB	126, 177, 166
Decimal	9023870
CIELab	68.22, -23.32, 21.82
CIELCh	68, 31.939, 136.898
Yxy	38.2690, 0.3183, 0.4087
Android (android.graphics.Color)	4287213950 (0xFF89B17E)
YUV	159.2260, -16.3804, -19.4922
Hunter-Lab	61.8619, -22.2593, 18.8035

Details

The Yxy color **38.2690, 0.3183, 0.4087** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.2144, 0.3042, 0.2561**, and the grayscale version is **34.8594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6089, 0.3177, 0.3926**, and **16.9296, 0.3180, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **36.7538, 0.3195, 0.4409**, and if you desaturate by 10%, it is **40.0196, 0.3166, 0.3785**.

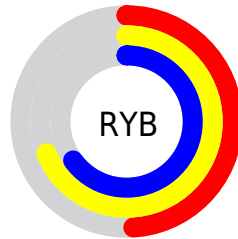
Distribution



Red (54%)

Green (69%)

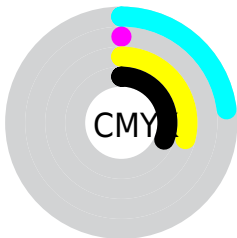
Blue (49%)



Red (49%)

Yellow (69%)

Blue (65%)

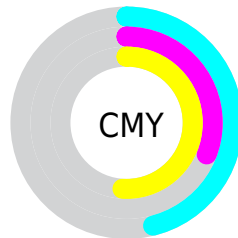


Cyan (23%)

Magenta (0%)

Yellow (29%)

Black (31%)



Cyan (46%)


Magenta (31%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2690, 0.3183, 0.4087 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 38.2690, 0.3183, 0.4087 by changing the saturation by 10% instead.


 38.2690, 0.3183,
0.4087


 38.2690, 0.3183,
0.4087


338.7725, 0.3164,
0.3659


 26.1915, 0.3184,
0.4204

 72.5203, 0.3179,
0.3924

 16.9670, 0.3183,
0.4360


 95.4628, 0.3176,
0.3865

 10.2110, 0.3175,
0.4579


 122.7959, 0.3174,
0.3816

 5.5391, 0.3152,
0.4906

154.9039, 0.3171,
0.3775

 2.5669, 0.3102,
0.5470

192.1711, 0.3169,
0.3740

 0.9100, 0.2451,
0.7549

234.9820, 0.3167,

 0.0000, 0.0000,

0.3709

0.0000

283.7210, 0.3165,
0.3682

■ 38.2690, 0.3183,
0.4087

■ 38.2690, 0.3183,
0.4087

■ 36.7538, 0.3195,
0.4409

■ 40.0196, 0.3166,
0.3785

■ 35.4590, 0.3200,
0.4742

■ 42.0099, 0.3146,
0.3509

■ 34.3756, 0.3195,
0.5068

■ 44.2506, 0.3125,
0.3262

■ 33.4918, 0.3181,
0.5367

■ 46.7499, 0.3102,
0.3043

■ 32.7948, 0.3155,
0.5619

■ 49.5159, 0.3080,
0.2850

■ 32.2700, 0.3121,
0.5805

■ 52.5563, 0.3058,
0.2681

■ 31.8966, 0.3083,
0.5924

■ 55.8782, 0.3038,
0.2534

■ 31.8595, 0.3079,
0.5937

■ 58.6486, 0.3109,
0.2514

■ 59.9262, 0.3163,
0.2527

Harmonies

Analogous

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



38.2690, 0.3641, 0.4140



38.2690, 0.3183, 0.4087



38.2690, 0.2731, 0.3759

Triad

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



38.2690, 0.3183, 0.4087



38.2690, 0.2328, 0.2601



38.2690, 0.3902, 0.3221

Complementary

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



38.2690, 0.3183, 0.4087



26.2144, 0.3042, 0.2561

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.



38.2690, 0.3499, 0.2877



38.2690, 0.3183, 0.4087



38.2690, 0.2591, 0.2528

Square

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



38.2690, 0.3183, 0.4087



38.2690, 0.2260, 0.2864



38.2690, 0.3013, 0.2630



38.2690, 0.4079, 0.3602

Rectangle

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



38.2690, 0.3183, 0.4087



38.2690, 0.2492, 0.3448



38.2690, 0.3013, 0.2630



38.2690, 0.3787, 0.3099

Sweetspot

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



38.2706, 0.3183, 0.4087



75.1005, 0.3147, 0.3518



38.1124, 0.3593, 0.3855



16.1601, 0.3150, 0.3556



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.



38.2706, 0.3183, 0.4087



66.6468, 0.3192, 0.4305



37.7911, 0.2980, 0.3870



9.5752, 0.3147, 0.3523



23.1042, 0.3085, 0.5932



0.7522, 0.3280, 0.5778

Inverse Universe

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



26.2144, 0.3042, 0.2561



41.2662, 0.3014, 0.2383



26.9046, 0.3316, 0.2773



8.5527, 0.3104, 0.3063



6.3000, 0.2678, 0.1249



0.2213, 0.2835, 0.1335

Previews

White Background



This preview shows how the Yxy color 38.2690, 0.3183, 0.4087 looks on a white background.

Color Contrast Check

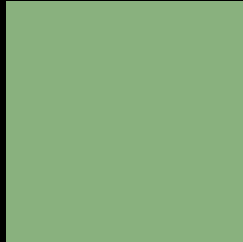
Large Text (above 18pt) WCAG AA × Fail

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 38.2690, 0.3183, 0.4087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

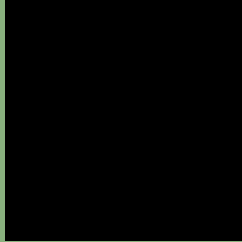
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2690, 0.3183, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 38.2690, 0.3183, 0.4087.



This preview shows how white text looks on a background with the Yxy color 38.2690, 0.3183, 0.4087.

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

38.2690, 0.3183, 0.4087

Protanopia

38.1179, 0.3649, 0.3924

Deuteranopia

37.8773, 0.3757, 0.3679



Tritanopia

38.2793, 0.2818, 0.3102

Trichromacy



Original Color

38.2690, 0.3183, 0.4087

Protanomaly

37.9660, 0.3467, 0.3982

Deuteranomaly

37.7417, 0.3526, 0.3820

Tritanomaly

38.3354, 0.2955, 0.3454

Monochromacy



Original Color

38.2690, 0.3183, 0.4087

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.9583, 0.3151, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2690, 0.3183, 0.4087 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, 177, 126)` looks like.

```
.text, #text, p{  
    color:rgb(137, 177, 126)  
}
```

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, 177, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 177, 126) }
```

Border

The CSS property to change the border of an element to Yxy 38.2690, 0.3183, 0.4087 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, 177, 126) }
```

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

```
.border{ border-color:rgb(137, 177, 126) }
```

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

Here you see how a box with a 4 pixel rgb(137, 177, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 177, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 177, 126);  
box-shadow:4px 4px 4px 4px rgb(137, 177,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2690, 0.3183, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 177, 126) }
```

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

```
.background{ background-color: rgb(137,  
177, 126) }
```

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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