

Converting Colors

$Yxy(38.7185, 0.3007, 0.3775)$

Have a look what the booklet for
Yxy(38.7185, 0.3007, 0.3775)
contains.

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Color

Yxy(38.5879, 0.3004, 0.3770)

Conversions

Conversions Part 1

Format	Color
Hex	86B192
RGB	134, 177, 146
RGB Percent	53%, 69%, 57%
CMY	0.4743, 0.3059, 0.4275
CMYK	0.24, 0.00, 0.18, 0.31
HSL	137°, 22%, 61%
HSV	137°, 24%, 69%
XYZ	30.7475, 38.5879, 33.0198
YIQ	160.6090, -15.6770, -18.7570

Conversions

Conversions Part 2

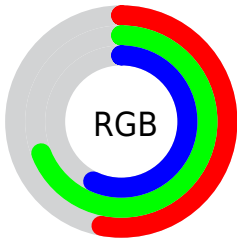
Format	Color
RYB	134, 168, 177
Decimal	8827282
CIELab	68.45, -20.78, 11.24
CIElCh	68, 23.623, 151.597
Yxy	38.5879, 0.3004, 0.3770
Android (android.graphics.Color)	4287017362 (0xFF86B192)
YUV	160.6090, -7.2022, -23.3361
Hunter-Lab	62.1192, -20.3553, 11.9675

Details

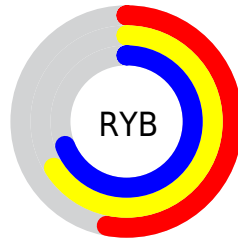
The Yxy color **38.5879, 0.3004, 0.3770** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.1289, 0.3278, 0.2854**, and the grayscale version is **35.4941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1393, 0.3030, 0.3675**, and **17.0805, 0.2961, 0.3939** is the 20% darker color. If you saturate the color by 10%, you get **36.8785, 0.2957, 0.4006**, and if you desaturate by 10%, it is **40.5884, 0.3054, 0.3556**.

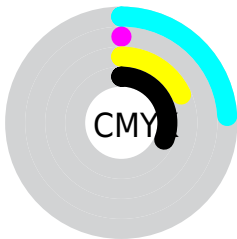
Distribution



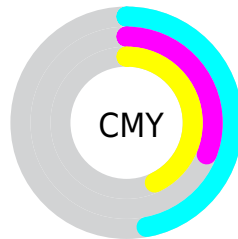
- Red (53%)
- Green (69%)
- Blue (57%)



- Red (53%)
- Yellow (66%)
- Blue (69%)



- Cyan (24%)
- Magenta (0%)
- Yellow (18%)
- Black (31%)





- Cyan (47%)
- Magenta (31%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5879, 0.3004, 0.3770 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 38.5879, 0.3004, 0.3770 by changing the saturation by 10% instead.


 38.5879, 0.3004,
0.3770


 38.5879, 0.3004,
0.3770


340.1352, 0.3071,
0.3515

 26.4393, 0.2985,
0.3839

 73.0083, 0.3030,
0.3673

 17.1526, 0.2959,
0.3932


 96.0490, 0.3039,
0.3638

 10.3433, 0.2923,
0.4061


 123.4891, 0.3047,
0.3609

 5.6272, 0.2866,
0.4255

155.7130, 0.3053,
0.3584

 2.6197, 0.2767,
0.4576

193.1052, 0.3059,
0.3563

 0.9366, 0.2462,
0.6035

236.0500, 0.3064,

 0.0000, 0.0000,

0.3545

0.0000

284.9319, 0.3068,
0.3529

■ 38.5879, 0.3004,
0.3770

■ 38.5879, 0.3004,
0.3770

■ 36.8785, 0.2957,
0.4006

■ 40.5884, 0.3054,
0.3556

■ 35.4418, 0.2915,
0.4262

■ 42.8878, 0.3105,
0.3365

■ 34.2647, 0.2883,
0.4531

■ 45.4997, 0.3156,
0.3196

■ 33.3312, 0.2861,
0.4805

■ 48.4351, 0.3206,
0.3048

■ 32.6233, 0.2854,
0.5072

■ 51.7049, 0.3253,
0.2918

■ 32.1206, 0.2862,
0.5320

■ 55.3192, 0.3298,
0.2806

■ 31.7984, 0.2885,
0.5535

■ 58.7247, 0.3316,
0.2704

■ 31.6656, 0.2900,
0.5641

■ 59.4917, 0.3215,
0.2587

■ 59.9218, 0.3163,
0.2527

Harmonies

Analogous

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



38.5879, 0.3355, 0.3916



38.5879, 0.3004, 0.3770



38.5879, 0.2698, 0.3471

Triad

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



38.5879, 0.3004, 0.3770



38.5879, 0.2608, 0.2729



38.5879, 0.3785, 0.3389

Complementary

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



38.5879, 0.3004, 0.3770



29.1289, 0.3278, 0.2854

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.



38.5879, 0.3562, 0.3104



38.5879, 0.3004, 0.3770



38.5879, 0.2874, 0.2735

Square

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



38.5879, 0.3004, 0.3770



38.5879, 0.2479, 0.2865



38.5879, 0.3223, 0.2871



38.5879, 0.3818, 0.3667

Rectangle

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



38.5879, 0.3004, 0.3770



38.5879, 0.2557, 0.3242



38.5879, 0.3223, 0.2871



38.5879, 0.3729, 0.3291

Sweetspot

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



38.5895, 0.3004, 0.3770



75.5839, 0.3091, 0.3417



41.2221, 0.3379, 0.3906



16.3278, 0.3088, 0.3428



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.



38.5895, 0.3004, 0.3770



67.4515, 0.2979, 0.3891



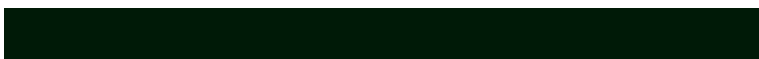
39.3034, 0.2847, 0.3440



9.5277, 0.3079, 0.3459



22.9537, 0.2895, 0.5623



0.7324, 0.2733, 0.5038

Inverse Universe

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



29.1289, 0.3278, 0.2854



47.6177, 0.3318, 0.2757



28.4264, 0.3508, 0.3146



8.6056, 0.3178, 0.3127



7.9077, 0.4050, 0.2005



0.2581, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 38.5879, 0.3004, 0.3770 looks on a white background.

Color Contrast Check

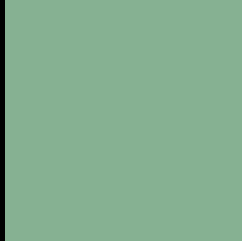
Large Text (above 18pt) WCAG AA × Fail

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 38.5879, 0.3004, 0.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

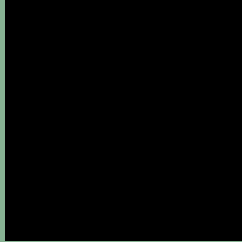
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5879, 0.3004, 0.3770

Background



This preview shows how black text looks on a background with the Yxy color 38.5879, 0.3004, 0.3770.



This preview shows how white text looks on a background with the Yxy color 38.5879, 0.3004, 0.3770.

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

38.5879, 0.3004, 0.3770

Protanopia

38.2798, 0.3445, 0.3659

Deuteranopia

38.1304, 0.3517, 0.3440



Tritanopia

38.6706, 0.2766, 0.3101

Trichromacy



Original Color

38.5879, 0.3004, 0.3770

Protanomaly

38.1760, 0.3274, 0.3702

Deuteranomaly

37.8456, 0.3314, 0.3549

Tritanomaly

38.6157, 0.2846, 0.3334

Monochromacy



Original Color

38.5879, 0.3004, 0.3770

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.6170, 0.3074, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5879, 0.3004, 0.3770 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(134, 177, 146)` looks like.

```
.text, #text, p{  
    color:rgb(134, 177, 146)  
}
```

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(134, 177, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 177, 146) }
```

Border

The CSS property to change the border of an element to Yxy 38.5879, 0.3004, 0.3770 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(134, 177, 146) }
```

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

```
.border{ border-color:rgb(134, 177, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 177, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 177, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 177, 146);  
box-shadow:4px 4px 4px 4px rgb(134, 177,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5879, 0.3004, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 177, 146) }
```

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

```
.background{ background-color: rgb(134,  
177, 146) }
```

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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