

Converting Colors

$Y_{xy}(40.4624, 0.3131, 0.3840)$

Have a look what the booklet for
Yxy(40.4624, 0.3131, 0.3840)
contains.

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Color

Yxy(40.3344, 0.3127, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	92B38F
RGB	146, 179, 143
RGB Percent	57%, 70%, 56%
CMY	0.4275, 0.2980, 0.4391
CMYK	0.18, 0.00, 0.20, 0.30
HSL	115°, 19%, 63%
HSV	115°, 20%, 70%
XYZ	32.9310, 40.3344, 32.0464
YIQ	165.0290, -8.1120, -18.1920

Conversions

Conversions Part 2

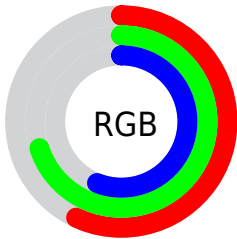
Format	Color
RYB	143, 179, 176
Decimal	9614223
CIELab	69.71, -18.25, 14.73
CIELCh	70, 23.456, 141.084
Yxy	40.3344, 0.3127, 0.3830
Android (android.graphics.Color)	4287804303 (0xFF92B38F)
YUV	165.0290, -10.8603, -16.6884
Hunter-Lab	63.5094, -18.5853, 14.5393

Details

The Yxy color **40.3344, 0.3127, 0.3830** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.1442, 0.3120, 0.2795**, and the grayscale version is **37.6975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7272, 0.3127, 0.3723**, and **18.1449, 0.3117, 0.3996** is the 20% darker color. If you saturate the color by 10%, you get **38.4371, 0.3124, 0.4145**, and if you desaturate by 10%, it is **42.5381, 0.3128, 0.3545**.

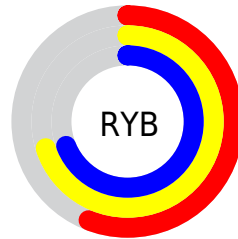
Distribution



Red (57%)

Green (70%)

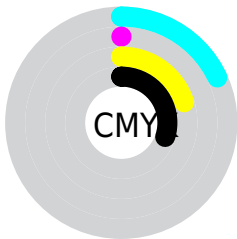
Blue (56%)



Red (56%)

Yellow (70%)

Blue (69%)

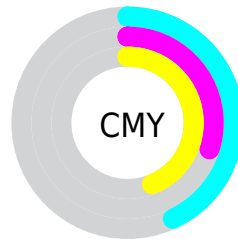


Cyan (18%)

Magenta (0%)

Yellow (20%)

Black (30%)



Cyan (43%)

Magenta (30%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3344, 0.3127, 0.3830 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 40.3344, 0.3127, 0.3830 by changing the saturation by 10% instead.


 40.3344, 0.3127,
0.3830


 40.3344, 0.3127,
0.3830


347.5310, 0.3132,
0.3545

 27.7994, 0.3124,
0.3906


 75.6725, 0.3130,
0.3723

 18.1745, 0.3119,
0.4008


 99.2443, 0.3131,
0.3683

 11.0753, 0.3111,
0.4149


127.2638, 0.3131,
0.3651

 6.1175, 0.3094,
0.4357

160.1154, 0.3131,
0.3623

 2.9167, 0.3056,
0.4695

198.1836, 0.3131,
0.3599

 1.0884, 0.3192,
0.6032

241.8526, 0.3132,

 0.0000, 0.0000,

0.3579

0.0000

291.5070, 0.3132,
0.3561

■ 40.3344, 0.3127,
0.3830

■ 40.3344, 0.3127,
0.3830

■ 38.4371, 0.3124,
0.4145

■ 42.5381, 0.3128,
0.3545

■ 36.8278, 0.3117,
0.4482

■ 45.0556, 0.3127,
0.3292

■ 35.4939, 0.3107,
0.4829

■ 47.9003, 0.3125,
0.3071

■ 34.4200, 0.3093,
0.5167

■ 51.0834, 0.3122,
0.2878

■ 33.5889, 0.3075,
0.5472

■ 54.6156, 0.3118,
0.2712

■ 32.9817, 0.3055,
0.5718

■ 58.5069, 0.3114,
0.2568

■ 32.5764, 0.3035,
0.5887

■ 60.7229, 0.3162,
0.2546

■ 32.3419, 0.3019,
0.5985

Harmonies

Analogous

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



40.3344, 0.3464, 0.3906



40.3344, 0.3127, 0.3830



40.3344, 0.2802, 0.3580

Triad

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



40.3344, 0.3127, 0.3830



40.3344, 0.2557, 0.2771



40.3344, 0.3713, 0.3287

Complementary

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



40.3344, 0.3127, 0.3830



32.1442, 0.3120, 0.2795

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.



40.3344, 0.3444, 0.3019



40.3344, 0.3127, 0.3830



40.3344, 0.2775, 0.2729

Square

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



40.3344, 0.3127, 0.3830



40.3344, 0.2485, 0.2954



40.3344, 0.3097, 0.2820



40.3344, 0.3814, 0.3569

Rectangle

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



40.3344, 0.3127, 0.3830



40.3344, 0.2634, 0.3361



40.3344, 0.3097, 0.2820



40.3344, 0.3639, 0.3193

Sweetspot

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



40.3361, 0.3127, 0.3830



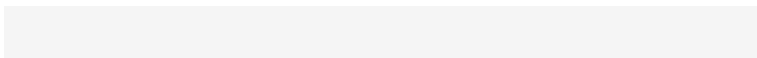
77.9120, 0.3128, 0.3440



42.6225, 0.3432, 0.3743



17.1985, 0.3128, 0.3457



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.



40.3361, 0.3127, 0.3830



70.7055, 0.3126, 0.3962



40.5542, 0.2987, 0.3602



9.5223, 0.3128, 0.3524



22.8647, 0.3022, 0.5982



0.7303, 0.3113, 0.5911

Inverse Universe

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



32.1442, 0.3120, 0.2795



53.4290, 0.3118, 0.2687



31.9184, 0.3298, 0.2998



8.6106, 0.3125, 0.3065



7.9136, 0.3007, 0.1430



0.2594, 0.3067, 0.1463

Previews

White Background



This preview shows how the Yxy color 40.3344, 0.3127, 0.3830 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 40.3344, 0.3127, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

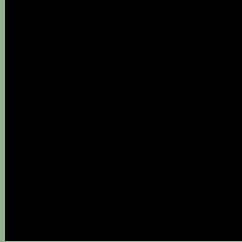
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3344, 0.3127, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 40.3344, 0.3127, 0.3830.



This preview shows how white text looks on a background with the Yxy color 40.3344, 0.3127, 0.3830.

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

40.3344, 0.3127, 0.3830

Protanopia

40.2877, 0.3502, 0.3734

Deuteranopia

40.2283, 0.3594, 0.3529



Tritanopia

40.2473, 0.2847, 0.3093

Trichromacy



Original Color

40.3344, 0.3127, 0.3830

Protanomaly

40.1054, 0.3361, 0.3762

Deuteranomaly

39.7674, 0.3412, 0.3625

Tritanomaly

40.0842, 0.2944, 0.3347

Monochromacy



Original Color

40.3344, 0.3127, 0.3830

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.4529, 0.3127, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3344, 0.3127, 0.3830 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(146, 179, 143)` looks like.

```
.text, #text, p{  
    color:rgb(146, 179, 143)  
}
```

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(146, 179, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 179, 143) }
```

Border

The CSS property to change the border of an element to Yxy 40.3344, 0.3127, 0.3830 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(146, 179, 143) }
```

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

```
.border{ border-color:rgb(146, 179, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 179, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 179, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 179, 143);  
box-shadow:4px 4px 4px 4px rgb(146, 179,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3344, 0.3127, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 179, 143) }
```

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

```
.background{ background-color: rgb(146,  
179, 143) }
```

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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