

Converting Colors

$Y_{xy}(37.9815, 0.3279, 0.4025)$

Have a look what the booklet for
Yxy(37.9815, 0.3279, 0.4025)
contains.

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Color

Yxy(37.9815, 0.3279, 0.4025)

Conversions

Conversions Part 1

Format	Color
Hex	93AE7E
RGB	147, 174, 126
RGB Percent	58%, 68%, 49%
CMY	0.4233, 0.3177, 0.5059
CMYK	0.15, 0.00, 0.28, 0.32
HSL	94°, 23%, 59%
HSV	94°, 28%, 68%
XYZ	30.9419, 37.9815, 25.4405
YIQ	160.4550, -0.6840, -20.6520

Conversions

Conversions Part 2

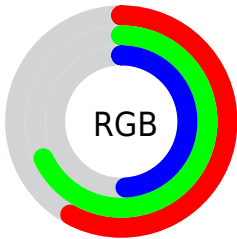
Format	Color
RYB	126, 174, 153
Decimal	9678462
CIELab	68.01, -18.14, 21.66
CIELCh	68, 28.250, 129.951
Yxy	37.9815, 0.3279, 0.4025
Android (android.graphics.Color)	4287868542 (0xFF93AE7E)
YUV	160.4550, -16.9863, -11.8000
Hunter-Lab	61.6291, -18.2320, 18.6655

Details

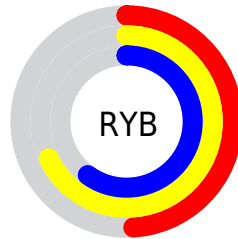
The Yxy color **37.9815, 0.3279, 0.4025** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.7456, 0.2931, 0.2570**, and the grayscale version is **35.4602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2658, 0.3250, 0.3881**, and **16.9417, 0.3309, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **36.7069, 0.3326, 0.4324**, and if you desaturate by 10%, it is **39.4142, 0.3226, 0.3741**.

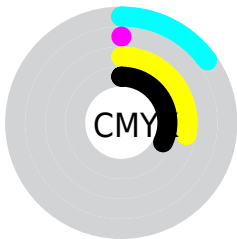
Distribution



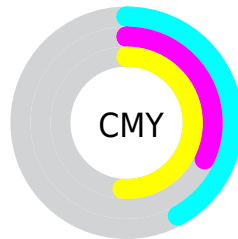
- Red (58%)
- Green (68%)
- Blue (49%)



- Red (49%)
- Yellow (68%)
- Blue (60%)



- Cyan (15%)
- Magenta (0%)
- Yellow (28%)
- Black (32%)





- Cyan (42%)
- Magenta (32%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9815, 0.3279, 0.4025 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 37.9815, 0.3279, 0.4025 by changing the saturation by 10% instead.

 37.9815, 0.3279,
0.4025


 37.9815, 0.3279,
0.4025


337.5406, 0.3208,
0.3633


 25.9683, 0.3294,
0.4131


 72.0798, 0.3255,
0.3876

 16.8000, 0.3312,
0.4273


 94.9337, 0.3245,
0.3822

 10.0920, 0.3331,
0.4470


 122.1700, 0.3237,
0.3777

 5.4600, 0.3347,
0.4761

154.1730, 0.3230,
0.3739

 2.5196, 0.3366,
0.5263

191.3272, 0.3223,
0.3707

 0.8864, 0.3108,
0.6892

234.0169, 0.3218,

 0.0000, 0.0000,

0.3679

0.0000

282.6266, 0.3213,
0.3654

■ 37.9815, 0.3279,
0.4025

■ 37.9815, 0.3279,
0.4025

■ 36.7069, 0.3326,
0.4324

■ 39.4142, 0.3226,
0.3741

■ 35.5796, 0.3363,
0.4627

■ 41.0056, 0.3170,
0.3476

■ 34.5947, 0.3387,
0.4924

■ 42.7627, 0.3113,
0.3234

■ 33.7454, 0.3394,
0.5197

■ 44.6905, 0.3058,
0.3015

■ 33.0240, 0.3382,
0.5432

■ 46.7937, 0.3004,
0.2818

■ 32.4218, 0.3350,
0.5615

■ 49.0770, 0.2954,
0.2644

■ 31.9266, 0.3301,
0.5742

■ 51.5448, 0.2906,
0.2488

■ 31.8182, 0.3290,
0.5770

■ 53.5269, 0.2931,
0.2440

■ 55.1436, 0.3007,
0.2459

Harmonies

Analogous

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



37.9815, 0.3670, 0.4021



37.9815, 0.3279, 0.4025



37.9815, 0.2864, 0.3786

Triad

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



37.9815, 0.3279, 0.4025



37.9815, 0.2381, 0.2717



37.9815, 0.3745, 0.3155

Complementary

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



37.9815, 0.3279, 0.4025



24.7456, 0.2931, 0.2570

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.



37.9815, 0.3360, 0.2859



37.9815, 0.3279, 0.4025



37.9815, 0.2581, 0.2608

Square

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



37.9815, 0.3279, 0.4025



37.9815, 0.2364, 0.2993



37.9815, 0.2931, 0.2663



37.9815, 0.3956, 0.3496

Rectangle

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



37.9815, 0.3279, 0.4025



37.9815, 0.2629, 0.3530



37.9815, 0.2931, 0.2663



37.9815, 0.3630, 0.3049

Sweetspot

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



37.9831, 0.3279, 0.4025



74.2187, 0.3173, 0.3490



33.0899, 0.3612, 0.3676



16.3968, 0.3182, 0.3528



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.



37.9831, 0.3279, 0.4025



67.4825, 0.3308, 0.4203



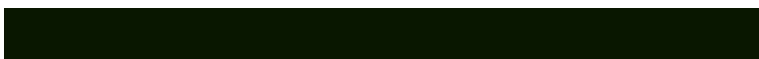
36.2739, 0.3072, 0.4029



9.1048, 0.3180, 0.3520



23.1146, 0.3298, 0.5764



0.6758, 0.3551, 0.5562

Inverse Universe

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



24.7456, 0.2931, 0.2570



39.5005, 0.2877, 0.2399



26.8838, 0.3184, 0.2648



7.9706, 0.3070, 0.3062



4.1225, 0.2163, 0.0965



0.1463, 0.2479, 0.1140

Previews

White Background



This preview shows how the Yxy color 37.9815, 0.3279, 0.4025 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 37.9815, 0.3279, 0.4025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

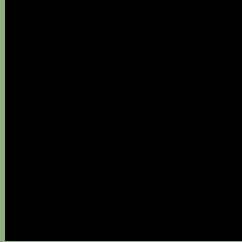
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9815, 0.3279, 0.4025

Background



This preview shows how black text looks on a background with the Yxy color 37.9815, 0.3279, 0.4025.



This preview shows how white text looks on a background with the Yxy color 37.9815, 0.3279, 0.4025.

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

37.9815, 0.3279, 0.4025

Protanopia

37.6625, 0.3634, 0.3899

Deuteranopia

37.8506, 0.3767, 0.3693



Tritanopia

37.9013, 0.2914, 0.3104

Trichromacy



Original Color

37.9815, 0.3279, 0.4025

Protanomaly

37.5423, 0.3503, 0.3949

Deuteranomaly

37.4565, 0.3582, 0.3801

Tritanomaly

37.9629, 0.3049, 0.3437

Monochromacy



Original Color

37.9815, 0.3279, 0.4025

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.0169, 0.3181, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9815, 0.3279, 0.4025 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(147, 174, 126)` looks like.

```
.text, #text, p{  
    color:rgb(147, 174, 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(147, 174, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 174, 126) }
```

Border

The CSS property to change the border of an element to Yxy 37.9815, 0.3279, 0.4025 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(147, 174, 126) }
```

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

```
.border{ border-color:rgb(147, 174, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 174, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 174, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 174, 126);  
box-shadow:4px 4px 4px 4px rgb(147, 174,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9815, 0.3279, 0.4025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 174, 126) }
```

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

```
.background{ background-color: rgb(147,  
174, 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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