

Converting Colors

$Y_{xy}(35.9251, 0.3559, 0.4379)$

Have a look what the booklet for
Yxy(35.9251, 0.3559, 0.4379)
contains.

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Color

Yxy(35.8371, 0.3559, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	97A962
RGB	151, 169, 98
RGB Percent	59%, 66%, 38%
CMY	0.4077, 0.3373, 0.6157
CMYK	0.11, 0.00, 0.42, 0.34
HSL	75°, 29%, 52%
HSV	75°, 42%, 66%
XYZ	29.1596, 35.8371, 16.9354
YIQ	155.5240, 12.0630, -25.8970

Conversions

Conversions Part 2

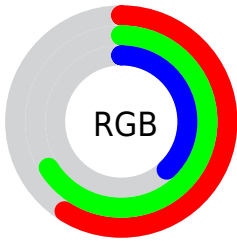
Format	Color
RYB	98, 169, 116
Decimal	9939298
CIELab	66.40, -17.93, 34.50
CIELCh	66, 38.883, 117.457
Yxy	35.8371, 0.3559, 0.4374
Android (android.graphics.Color)	4288129378 (0xFF97A962)
YUV	155.5240, -28.3593, -3.9675
Hunter-Lab	59.8641, -17.8153, 25.1319

Details

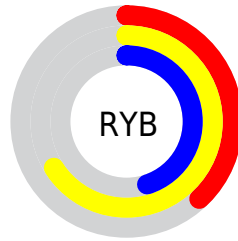
The Yxy color **35.8371, 0.3559, 0.4374** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3104, 0.2546, 0.2082**, and the grayscale version is **33.1502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6351, 0.3485, 0.4152**, and **15.5970, 0.3662, 0.4735** is the 20% darker color. If you saturate the color by 10%, you get **35.1506, 0.3643, 0.4628**, and if you desaturate by 10%, it is **36.6090, 0.3463, 0.4109**.

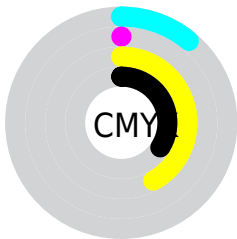
Distribution



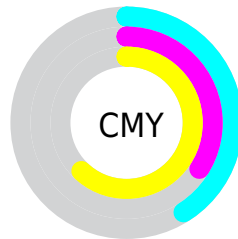
- Red (59%)
- Green (66%)
- Blue (38%)



- Red (38%)
- Yellow (66%)
- Blue (45%)



- Cyan (11%)
- Magenta (0%)
- Yellow (42%)
- Black (34%)





- Cyan (41%)
- Magenta (34%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8371, 0.3559, 0.4374 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 35.8371, 0.3559, 0.4374 by changing the saturation by 10% instead.


 35.8371, 0.3559,
0.4374


 35.8371, 0.3559,
0.4374


328.2480, 0.3352,
0.3795

 24.3084, 0.3604,
0.4528


 68.7806, 0.3488,
0.4156


 15.5626, 0.3655,
0.4730


 90.9641, 0.3460,
0.4076

 9.2151, 0.3710,
0.5003


 117.4681, 0.3435,
0.4009

 4.8818, 0.3759,
0.5391

 148.6769, 0.3414,
0.3953

 2.1781, 0.3863,
0.6137

184.9749, 0.3396,
0.3905

 0.7080, 0.2494,
0.7506

226.7464, 0.3379,

 0.0000, 0.0000,

0.3863

0.0000

274.3760, 0.3365,
0.3827

■ 35.8371, 0.3559,
0.4374

■ 35.8371, 0.3559,
0.4374

■ 35.1506, 0.3643,
0.4628

■ 36.6090, 0.3463,
0.4109

■ 34.5403, 0.3709,
0.4861

■ 37.4657, 0.3360,
0.3843

■ 34.0029, 0.3754,
0.5061


■ 38.4124, 0.3254,
0.3584


■ 33.5328, 0.3775,
0.5221


■ 39.4526, 0.3148,
0.3338

■ 33.1233, 0.3771,
0.5334


■ 40.5897, 0.3045,
0.3107

 32.8281, 0.3755,
0.5400

 41.8269, 0.2948,
0.2894

 43.1670, 0.2856,
0.2699

 44.6129, 0.2770,
0.2522

 46.1673, 0.2690,
0.2363

Harmonies

Analogous

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



35.8371, 0.4049, 0.4198



35.8371, 0.3559, 0.4374



35.8371, 0.2979, 0.4191

Triad

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



35.8371, 0.3559, 0.4374



35.8371, 0.2073, 0.2616



35.8371, 0.3787, 0.2918

Complementary

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



35.8371, 0.3559, 0.4374



15.3104, 0.2546, 0.2082

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.



35.8371, 0.3190, 0.2576



35.8371, 0.3559, 0.4374



35.8371, 0.2238, 0.2389

Square

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



35.8371, 0.3559, 0.4374



35.8371, 0.2149, 0.3072



35.8371, 0.2628, 0.2385



35.8371, 0.4210, 0.3354

Rectangle

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



35.8371, 0.3559, 0.4374



35.8371, 0.2621, 0.3871



35.8371, 0.2628, 0.2385



35.8371, 0.3597, 0.2790

Sweetspot

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



35.8387, 0.3559, 0.4374



68.5821, 0.3267, 0.3615



21.7495, 0.4064, 0.3567



14.8671, 0.3289, 0.3670



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8387, 0.3559, 0.4374



63.0867, 0.3634, 0.4601



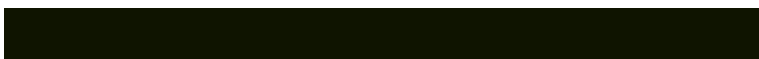
32.9521, 0.3219, 0.4502



8.6769, 0.3225, 0.3516



24.4943, 0.3760, 0.5397



0.6181, 0.3911, 0.5276

Inverse Universe

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



15.3104, 0.2546, 0.2082



21.5584, 0.2392, 0.1794



18.2029, 0.2957, 0.2212



7.3889, 0.3024, 0.3059



2.5361, 0.1662, 0.0689



0.0852, 0.2012, 0.0882

Previews

White Background



This preview shows how the Yxy color 35.8371, 0.3559, 0.4374 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 35.8371, 0.3559, 0.4374 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 35.8371, 0.3559, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 35.8371, 0.3559, 0.4374.



This preview shows how white text looks on a background with the Yxy color 35.8371, 0.3559, 0.4374.

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

35.8371, 0.3559, 0.4374

Protanopia

35.5461, 0.3884, 0.4220

Deuteranopia

35.6529, 0.4076, 0.3991



Tritanopia

35.7358, 0.3023, 0.3104

Trichromacy



Original Color

35.8371, 0.3559, 0.4374

Protanomaly

35.6109, 0.3764, 0.4279

Deuteranomaly

35.3001, 0.3884, 0.4119

Tritanomaly

35.4378, 0.3220, 0.3545

Monochromacy



Original Color

35.8371, 0.3559, 0.4374

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.1090, 0.3293, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8371, 0.3559, 0.4374 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(151, 169, 98)` looks like.

```
.text, #text, p{  
    color:rgb(151, 169, 98)  
}
```

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(151, 169, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 169, 98) }
```

Border

The CSS property to change the border of an element to Yxy 35.8371, 0.3559, 0.4374 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(151, 169, 98) }
```

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

```
.border{ border-color:rgb(151, 169, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 169, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 169, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 169, 98);  
box-shadow:4px 4px 4px 4px rgb(151, 169,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8371, 0.3559, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 169, 98) }
```

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

```
.background{ background-color: rgb(151,  
169, 98) }
```

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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