

Converting Colors

$Y_{xy}(37.5908, 0.3432, 0.3920)$

Have a look what the booklet for
Yxy(37.5908, 0.3432, 0.3920)
contains.

Yxy(37.5637, 0.3434, 0.3926)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5637, 0.3434, 0.3926)

Conversions

Conversions Part 1

Format	Color
Hex	A2A97E
RGB	162, 169, 126
RGB Percent	64%, 66%, 49%
CMY	0.3647, 0.3373, 0.5059
CMYK	0.04, 0.00, 0.25, 0.34
HSL	70°, 20%, 58%
HSV	70°, 25%, 66%
XYZ	32.8563, 37.5637, 25.2593
YIQ	162.0050, 9.6310, -14.8570

Conversions

Conversions Part 2

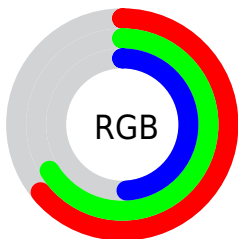
Format	Color
RYB	126, 169, 133
Decimal	10660222
CIELab	67.70, -9.86, 21.42
CIELCh	68, 23.575, 114.712
Yxy	37.5637, 0.3434, 0.3926
Android (android.graphics.Color)	4288850302 (0xFFA2A97E)
YUV	162.0050, -17.7505, -0.0044
Hunter-Lab	61.2892, -11.5649, 18.4671

Details

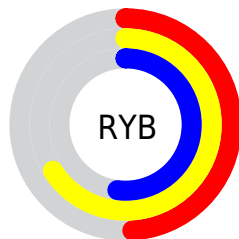
The Yxy color **37.5637, 0.3434, 0.3926** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.7743, 0.2770, 0.2596**, and the grayscale version is **36.2169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3177, 0.3376, 0.3798**, and **16.5734, 0.3517, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **36.8807, 0.3551, 0.4184**, and if you desaturate by 10%, it is **38.3300, 0.3313, 0.3669**.

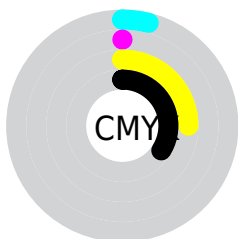
Distribution



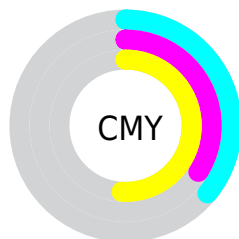
- Red (64%)
- Green (66%)
- Blue (49%)



- Red (49%)
- Yellow (66%)
- Blue (52%)



- Cyan (4%)
- Magenta (0%)
- Yellow (25%)
- Black (34%)




- Cyan (36%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5637, 0.3434, 0.3926 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 37.5637, 0.3434, 0.3926 by changing the saturation by 10% instead.

 37.5637, 0.3434,
0.3926


 37.5637, 0.3434,
0.3926


335.7446, 0.3280,
0.3591

 25.6442, 0.3472,
0.4015


 71.4389, 0.3378,
0.3800

 16.5577, 0.3520,
0.4133


 94.1635, 0.3357,
0.3754

 9.9196, 0.3582,
0.4294


 121.2585, 0.3339,
0.3716

 5.3457, 0.3663,
0.4529

153.1084, 0.3324,
0.3683

 2.4515, 0.3794,
0.4928

190.0975, 0.3311,
0.3655

 0.8522, 0.4005,
0.5995

232.6104, 0.3299,

 0.0000, 0.0000,

0.3631

0.0000

281.0313, 0.3289,
0.3609

■ 37.5637, 0.3434,
0.3926

■ 37.5637, 0.3434,
0.3926

■ 36.8807, 0.3551,
0.4184

■ 38.3300, 0.3313,
0.3669

■ 36.2722, 0.3660,
0.4434

■ 39.1782, 0.3192,
0.3420

■ 35.7360, 0.3754,
0.4666

■ 40.1131, 0.3074,
0.3184

■ 35.2675, 0.3830,
0.4871

■ 41.1378, 0.2961,
0.2963

■ 34.8616, 0.3883,
0.5039

■ 42.2552, 0.2856,
0.2759

■ 34.5127, 0.3910,
0.5165

■ 43.4682, 0.2757,
0.2573

■ 34.2134, 0.3913,
0.5246

■ 44.7794, 0.2666,
0.2403

■ 34.0856, 0.3911,
0.5277

■ 45.7850, 0.2620,
0.2307

■ 46.1275, 0.2640,
0.2312

Harmonies

Analogous

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



37.5637, 0.3712, 0.3836



37.5637, 0.3434, 0.3926



37.5637, 0.3083, 0.3824

Triad

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



37.5637, 0.3434, 0.3926



37.5637, 0.2468, 0.2914



37.5637, 0.3493, 0.3042

Complementary

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



37.5637, 0.3434, 0.3926



22.7743, 0.2770, 0.2596

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.



37.5637, 0.3140, 0.2826



37.5637, 0.3434, 0.3926



37.5637, 0.2561, 0.2744

Square

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



37.5637, 0.3434, 0.3926



37.5637, 0.2537, 0.3207



37.5637, 0.2801, 0.2718



37.5637, 0.3753, 0.3322

Rectangle

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



37.5637, 0.3434, 0.3926



37.5637, 0.2858, 0.3655



37.5637, 0.2801, 0.2718



37.5637, 0.3381, 0.2961

Sweetspot

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



37.5654, 0.3434, 0.3926



69.7398, 0.3224, 0.3487



26.5681, 0.3629, 0.3390



15.1512, 0.3242, 0.3523



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.



37.5654, 0.3434, 0.3926



66.5106, 0.3506, 0.4084



35.5502, 0.3232, 0.3969



8.7112, 0.3238, 0.3515



25.4232, 0.3914, 0.5274



0.6345, 0.4012, 0.5196

Inverse Universe

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



22.7743, 0.2770, 0.2596



35.0855, 0.2667, 0.2404



24.6535, 0.2991, 0.2639



7.3569, 0.3010, 0.3058



2.3296, 0.1580, 0.0644



0.0733, 0.1842, 0.0788

Previews

White Background



This preview shows how the Yxy color 37.5637, 0.3434, 0.3926 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 37.5637, 0.3434, 0.3926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

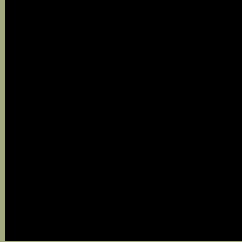
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

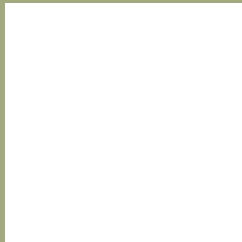
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.5637, 0.3434, 0.3926

Background



This preview shows how black text looks on a background with the Yxy color 37.5637, 0.3434, 0.3926.



This preview shows how white text looks on a background with the Yxy color 37.5637, 0.3434, 0.3926.

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

37.5637, 0.3434, 0.3926

Protanopia

37.5956, 0.3605, 0.3873

Deuteranopia

37.3497, 0.3771, 0.3695



Tritanopia

37.3708, 0.3080, 0.3109

Trichromacy



Original Color

37.5637, 0.3434, 0.3926

Protanomaly

37.4110, 0.3542, 0.3882

Deuteranomaly

37.3181, 0.3650, 0.3779

Tritanomaly

37.4516, 0.3206, 0.3405

Monochromacy



Original Color

37.5637, 0.3434, 0.3926

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.7616, 0.3239, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5637, 0.3434, 0.3926 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 $rgb(162, 169, 126)$ looks like.

```
.text, #text, p{  
    color:rgb(162, 169, 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(162, 169, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 169, 126) }
```

Border

The CSS property to change the border of an element to Yxy 37.5637, 0.3434, 0.3926 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(162, 169, 126) }
```

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

```
.border{ border-color:rgb(162, 169, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 169, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 169, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 169, 126); box-shadow:4px 4px 4px 4px rgb(162, 169, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5637, 0.3434, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 169, 126) }
```

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

```
.background{ background-color: rgb(162,  
169, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor