

Converting Colors

$Yxy(36.9421, 0.3887, 0.4432)$

Have a look what the booklet for
Yxy(36.9421, 0.3887, 0.4432)
contains.

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Color

Yxy(37.0640, 0.3885, 0.4435)

Conversions

Conversions Part 1

Format	Color
Hex	ACA755
RGB	172, 167, 85
RGB Percent	67%, 65%, 33%
CMY	0.3256, 0.3450, 0.6666
CMYK	0.00, 0.03, 0.51, 0.33
HSL	57°, 34%, 50%
HSV	57°, 51%, 67%
XYZ	32.4676, 37.0640, 14.0400
YIQ	159.1470, 29.3020, -24.4420

Conversions

Conversions Part 2

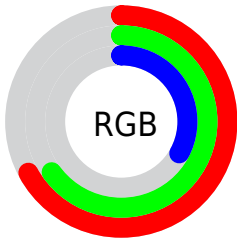
Format	Color
RYB	90, 172, 85
Decimal	11315029
CIELab	67.33, -9.64, 42.62
CIELCh	67, 43.699, 102.742
Yxy	37.0640, 0.3885, 0.4435
Android (android.graphics.Color)	4289505109 (0xFFACA755)
YUV	159.1470, -36.5545, 11.2721
Hunter-Lab	60.8802, -11.3459, 28.9429

Details

The Yxy color **37.0640, 0.3885, 0.4435** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.2176, 0.2194, 0.1806**, and the grayscale version is **34.9021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7067, 0.3755, 0.4217**, and **16.2344, 0.4074, 0.4757** is the 20% darker color. If you saturate the color by 10%, you get **36.4667, 0.4013, 0.4618**, and if you desaturate by 10%, it is **37.7339, 0.3742, 0.4226**.

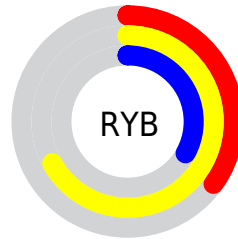
Distribution



Red (67%)

Green (65%)

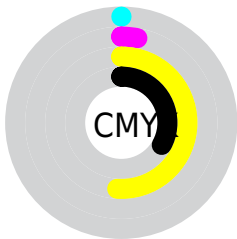
Blue (33%)



Red (35%)

Yellow (67%)

Blue (33%)

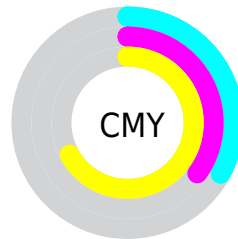


Cyan (0%)

Magenta (3%)

Yellow (51%)

Black (33%)



Cyan (33%)


Magenta (35%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0640, 0.3885, 0.4435 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 37.0640, 0.3885, 0.4435 by changing the saturation by 10% instead.


 37.0640, 0.3885,
0.4435


 37.0640, 0.3885,
0.4435


333.5875, 0.3515,
0.3846


 25.2570, 0.3967,
0.4580


 70.6712, 0.3756,
0.4220


 16.2687, 0.4063,
0.4762


 93.2402, 0.3706,
0.4140


 9.7145, 0.4171,
0.4990


 120.1654, 0.3663,
0.4071

 5.2101, 0.4333,
0.5345

 151.8312, 0.3625,
0.4013

 2.3710, 0.4356,
0.5644

 188.6219, 0.3593,
0.3962

 0.8109, 0.3977,
0.6023

230.9219, 0.3564,

 0.0000, 0.0000,

0.3918

0.0000

279.1156, 0.3538,
0.3880

■ 37.0640, 0.3885,
0.4435

■ 37.0640, 0.3885,
0.4435

■ 36.4667, 0.4013,
0.4618

■ 37.7339, 0.3742,
0.4226

■ 35.9319, 0.4121,
0.4767

■ 38.4756, 0.3591,
0.3999

■ 35.4558, 0.4204,
0.4875

■ 39.2949, 0.3436,
0.3765

■ 35.0319, 0.4261,
0.4940

■ 40.1956, 0.3283,
0.3531

■ 34.6661, 0.4296,
0.4971

■ 41.1811, 0.3135,
0.3303

■ 42.2546, 0.2996,
0.3085

■ 43.4194, 0.2865,
0.2881

■ 44.6782, 0.2745,
0.2691

■ 46.0340, 0.2636,
0.2518

Harmonies

Analogous

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



37.0640, 0.4322, 0.4088



37.0640, 0.3885, 0.4435



37.0640, 0.3271, 0.4456

Triad

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



37.0640, 0.3885, 0.4435



37.0640, 0.1977, 0.2755



37.0640, 0.3541, 0.2679

Complementary

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



37.0640, 0.3885, 0.4435



12.2176, 0.2194, 0.1806

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.



37.0640, 0.2871, 0.2381



37.0640, 0.3885, 0.4435



37.0640, 0.2031, 0.2386

Square

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



37.0640, 0.3885, 0.4435



37.0640, 0.2188, 0.3363



37.0640, 0.2337, 0.2271



37.0640, 0.4139, 0.3111

Rectangle

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



37.0640, 0.3885, 0.4435



37.0640, 0.2847, 0.4222



37.0640, 0.2337, 0.2271



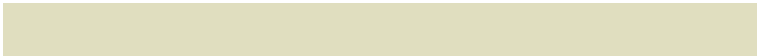
37.0640, 0.3313, 0.2562

Sweetspot

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



37.0657, 0.3885, 0.4435



72.1596, 0.3354, 0.3641



16.0191, 0.4433, 0.3208



15.6101, 0.3386, 0.3688



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.0657, 0.3885, 0.4435



66.0243, 0.4031, 0.4643



35.2427, 0.3478, 0.4666



9.2508, 0.3264, 0.3502



25.8341, 0.4295, 0.4972



0.7418, 0.4261, 0.4999

Inverse Universe

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



12.2176, 0.2194, 0.1806



15.6973, 0.1964, 0.1427



13.6656, 0.2573, 0.1868



7.8278, 0.2985, 0.3069



2.4028, 0.1513, 0.0645



0.0901, 0.1566, 0.0838

Previews

White Background



This preview shows how the Yxy color 37.0640, 0.3885, 0.4435 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 37.0640, 0.3885, 0.4435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

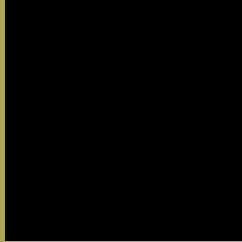
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0640, 0.3885, 0.4435

Background



This preview shows how black text looks on a background with the Yxy color 37.0640, 0.3885, 0.4435.



This preview shows how white text looks on a background with the Yxy color 37.0640, 0.3885, 0.4435.

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

37.0640, 0.3885, 0.4435

Protanopia

37.0148, 0.4007, 0.4371

Deuteranopia

36.8990, 0.4240, 0.4146



Tritanopia

37.1798, 0.3241, 0.3127

Trichromacy



Original Color

37.0640, 0.3885, 0.4435

Protanomaly

37.0153, 0.3968, 0.4396

Deuteranomaly

36.7769, 0.4105, 0.4249

Tritanomaly

36.8188, 0.3498, 0.3602

Monochromacy



Original Color

37.0640, 0.3885, 0.4435

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3991, 0.3419, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0640, 0.3885, 0.4435 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(172, 167, 85)` looks like.

```
.text, #text, p{  
  color:rgb(172, 167, 85)  
}
```

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(172, 167, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 167, 85) }
```

Border

The CSS property to change the border of an element to Yxy 37.0640, 0.3885, 0.4435 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(172, 167, 85) }
```

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

```
.border{ border-color:rgb(172, 167, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 167, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 167, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 167, 85);  
box-shadow:4px 4px 4px 4px rgb(172, 167,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0640, 0.3885, 0.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 167, 85) }
```

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

```
.background{ background-color: rgb(172,  
167, 85) }
```

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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