

Converting Colors

$Y_{xy}(36.8659, 0.4052, 0.3860)$

Have a look what the booklet for
Yxy(36.8659, 0.4052, 0.3860)
contains.

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Color

Yxy(36.7935, 0.4062, 0.3859)

Conversions

Conversions Part 1

Format	Color
Hex	CA9A6E
RGB	202, 154, 110
RGB Percent	79%, 60%, 43%
CMY	0.2078, 0.3961, 0.5685
CMYK	0.00, 0.24, 0.46, 0.21
HSL	29°, 46%, 61%
HSV	29°, 46%, 79%
XYZ	38.7290, 36.7935, 19.8222
YIQ	163.3360, 42.7320, -3.5080

Conversions

Conversions Part 2

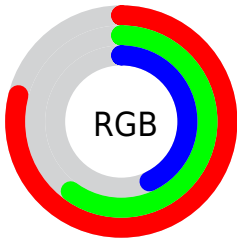
Format	Color
RYB	202, 194, 110
Decimal	13277806
CIELab	67.12, 12.40, 29.96
CIELCh	67, 32.426, 67.519
Yxy	36.7935, 0.4062, 0.3859
Android (android.graphics.Color)	4291467886 (0xFFCA9A6E)
YUV	163.3360, -26.2946, 33.9083
Hunter-Lab	60.6576, 7.8187, 23.0851

Details

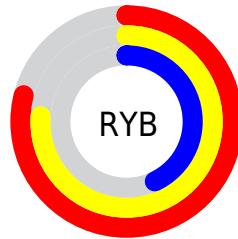
The Yxy color **36.7935, 0.4062, 0.3859** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.0472, 0.2406, 0.2629**, and the grayscale version is **36.9068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9804, 0.3841, 0.3768**, and **16.1484, 0.4354, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **33.0753, 0.4333, 0.3972**, and if you desaturate by 10%, it is **40.9213, 0.3812, 0.3734**.

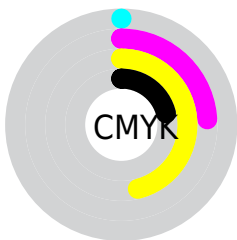
Distribution



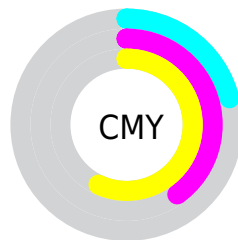
- Red (79%)
- Green (60%)
- Blue (43%)



- Red (79%)
- Yellow (76%)
- Blue (43%)



- Cyan (0%)
- Magenta (24%)
- Yellow (46%)
- Black (21%)





- Cyan (21%)
- Magenta (40%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7935, 0.4062, 0.3859 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 36.7935, 0.4062, 0.3859 by changing the saturation by 10% instead.


 36.7935, 0.4062,
0.3859


 36.7935, 0.4062,
0.3859


332.4156, 0.3578,
0.3582

 25.0476, 0.4186,
0.3922


 70.2551, 0.3883,
0.3762


 16.1126, 0.4344,
0.3999


 92.7396, 0.3817,
0.3724

 9.6038, 0.4554,
0.4090


 119.5724, 0.3761,
0.3692

 5.1371, 0.4836,
0.4192

 151.1380, 0.3713,
0.3664

 2.3279, 0.5496,
0.4504

187.8207, 0.3672,
0.3640

 0.7884, 0.5758,
0.4242

230.0050, 0.3637,

 0.0000, 0.0000,

0.3618

0.0000

278.0751, 0.3605,
0.3599

■ 36.7935, 0.4062,
0.3859

■ 36.7935, 0.4062,
0.3859

■ 33.0753, 0.4333,
0.3972

■ 40.9213, 0.3812,
0.3734

■ 29.7465, 0.4617,
0.4060

■ 45.4671, 0.3587,
0.3604

■ 26.7931, 0.4900,
0.4112

■ 50.4457, 0.3388,
0.3477

■ 24.1976, 0.5163,
0.4115

■ 55.8695, 0.3214,
0.3355

■ 21.9399, 0.5388,
0.4064


■ 61.7504, 0.3062,
0.3240

 21.0273, 0.5481,
0.4030

 68.0995, 0.2930,
0.3133

 74.9278, 0.2816,
0.3035

 81.1274, 0.2804,
0.3113

 87.4594, 0.2812,
0.3225

Harmonies

Analogous

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



36.7935, 0.4080, 0.3487



36.7935, 0.4062, 0.3859



36.7935, 0.3781, 0.4123

Triad

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



36.7935, 0.4062, 0.3859



36.7935, 0.2468, 0.3442



36.7935, 0.2861, 0.2562

Complementary

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



36.7935, 0.4062, 0.3859



32.0472, 0.2406, 0.2629

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.



36.7935, 0.2472, 0.2511



36.7935, 0.4062, 0.3859



36.7935, 0.2260, 0.2973

Square

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



36.7935, 0.4062, 0.3859



36.7935, 0.2856, 0.3904



36.7935, 0.2263, 0.2646



36.7935, 0.3354, 0.2773

Rectangle

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



36.7935, 0.4062, 0.3859



36.7935, 0.3495, 0.4180



36.7935, 0.2263, 0.2646



36.7935, 0.2714, 0.2526

Sweetspot

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



36.7953, 0.4062, 0.3859



86.5929, 0.3363, 0.3460



26.2224, 0.3678, 0.2664



18.1215, 0.3404, 0.3487



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.7953, 0.4062, 0.3859



55.8661, 0.4340, 0.3974



54.5007, 0.3811, 0.4365



12.0837, 0.3278, 0.3401



13.7068, 0.5459, 0.4047



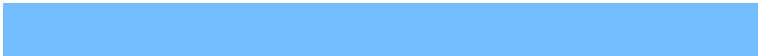
0.8588, 0.5148, 0.4294

Inverse Universe

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



32.0472, 0.2406, 0.2629



46.7929, 0.2252, 0.2447



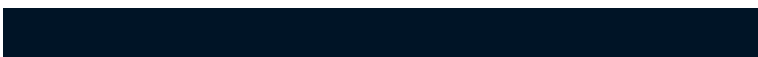
19.4144, 0.2282, 0.1925



11.7966, 0.2983, 0.3176



9.4811, 0.1796, 0.1665



0.6406, 0.1891, 0.2008

Previews

White Background



This preview shows how the Yxy color 36.7935, 0.4062, 0.3859 looks on a white background.

Color Contrast Check

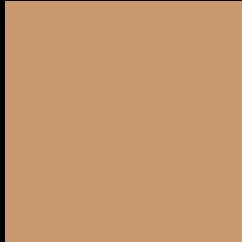
Large Text (above 18pt) WCAG AA × Fail

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 36.7935, 0.4062, 0.3859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

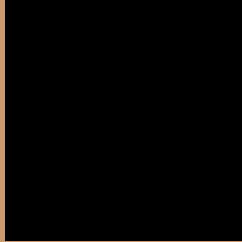
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7935, 0.4062, 0.3859

Background



This preview shows how black text looks on a background with the Yxy color 36.7935, 0.4062, 0.3859.



This preview shows how white text looks on a background with the Yxy color 36.7935, 0.4062, 0.3859.

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

36.7935, 0.4062, 0.3859

Protanopia

37.1129, 0.3711, 0.3998

Deuteranopia

36.9755, 0.3982, 0.3912



Tritanopia

36.8048, 0.3622, 0.3152

Trichromacy



Original Color

36.7935, 0.4062, 0.3859

Protanomaly

36.7730, 0.3833, 0.3937

Deuteranomaly

36.9085, 0.4009, 0.3894

Tritanomaly

36.7149, 0.3795, 0.3408

Monochromacy



Original Color

36.7935, 0.4062, 0.3859

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.5023, 0.3443, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7935, 0.4062, 0.3859 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(202, 154, 110)` looks like.

```
.text, #text, p{  
    color:rgb(202, 154, 110)  
}
```

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(202, 154, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 154, 110) }
```

Border

The CSS property to change the border of an element to Yxy 36.7935, 0.4062, 0.3859 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(202, 154, 110) }
```

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

```
.border{ border-color:rgb(202, 154, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 154, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 154, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 154, 110);  
box-shadow:4px 4px 4px 4px rgb(202, 154,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7935, 0.4062, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 154, 110) }
```

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

```
.background{ background-color: rgb(202,  
154, 110) }
```

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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