

Converting Colors

$Yxy(37.5846, 0.3931, 0.4702)$

Have a look what the booklet for
Yxy(37.5846, 0.3931, 0.4702)
contains.

Yxy(37.7466, 0.3930, 0.4707)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7466, 0.3930, 0.4707)

Conversions

Conversions Part 1

Format	Color
Hex	A7AB43
RGB	167, 171, 67
RGB Percent	65%, 67%, 26%
CMY	0.3450, 0.3294, 0.7374
CMYK	0.02, 0.00, 0.61, 0.33
HSL	62°, 44%, 47%
HSV	62°, 61%, 67%
XYZ	31.5156, 37.7466, 10.9302
YIQ	157.9480, 31.0000, -33.1920

Conversions

Conversions Part 2

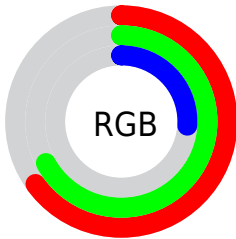
Format	Color
RYB	67, 171, 71
Decimal	10988355
CIELab	67.83, -15.28, 51.59
CIELCh	68, 53.805, 106.498
Yxy	37.7466, 0.3930, 0.4707
Android (android.graphics.Color)	4289178435 (0xFFA7AB43)
YUV	157.9480, -44.8374, 7.9386
Hunter-Lab	61.4383, -15.9528, 32.4587

Details

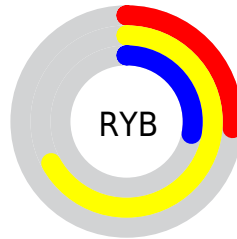
The Yxy color **37.7466, 0.3930, 0.4707** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.2889, 0.2001, 0.1388**, and the grayscale version is **34.3651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5719, 0.3808, 0.4449**, and **16.6537, 0.4074, 0.5095** is the 20% darker color. If you saturate the color by 10%, you get **37.5016, 0.4015, 0.4867**, and if you desaturate by 10%, it is **38.0560, 0.3823, 0.4512**.

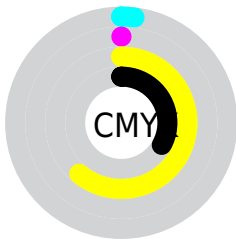
Distribution



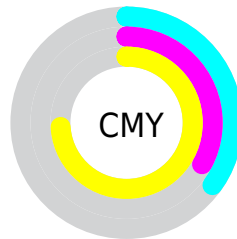
- Red (65%)
- Green (67%)
- Blue (26%)



- Red (26%)
- Yellow (67%)
- Blue (28%)



- Cyan (2%)
- Magenta (0%)
- Yellow (61%)
- Black (33%)



- Cyan (35%)
- Magenta (33%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7466, 0.3930, 0.4707 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 37.7466, 0.3930, 0.4707 by changing the saturation by 10% instead.


 37.7466, 0.3930,
0.4707

 37.7466, 0.3930,
0.4707


336.5317, 0.3558,
0.3982

 25.7861, 0.4002,
0.4880


 71.7196, 0.3808,
0.4446

 16.6637, 0.4077,
0.5092


 94.5008, 0.3757,
0.4347


 9.9950, 0.4143,
0.5347


 121.6578, 0.3713,
0.4262

 5.3956, 0.4246,
0.5754

 153.5748, 0.3674,
0.4190

 2.4812, 0.4054,
0.5946

 190.6363, 0.3640,
0.4128

 0.8672, 0.3423,
0.6577

233.2267, 0.3610,

 0.0000, 0.0000,

0.4073

0.0000

281.7304, 0.3582,
0.4025

■ 37.7466, 0.3930,
0.4707

■ 37.7466, 0.3930,
0.4707

■ 37.5016, 0.4015,
0.4867

■ 38.0560, 0.3823,
0.4512

■ 37.3104, 0.4076,
0.4986

■ 38.4294, 0.3699,
0.4289

■ 37.1680, 0.4112,
0.5063

■ 38.8730, 0.3563,
0.4049

■ 37.0675, 0.4127,
0.5105

■ 39.3907, 0.3421,
0.3801

■ 39.9862, 0.3279,
0.3552

■ 40.6629, 0.3139,
0.3310

■ 41.4242, 0.3004,
0.3079

■ 42.2729, 0.2878,
0.2863

■ 43.2121, 0.2761,
0.2662

Harmonies

Analogous

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



37.7466, 0.4508, 0.4281



37.7466, 0.3930, 0.4707



37.7466, 0.3178, 0.4711

Triad

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



37.7466, 0.3930, 0.4707



37.7466, 0.1754, 0.2553



37.7466, 0.3729, 0.2615

Complementary

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



37.7466, 0.3930, 0.4707



8.2889, 0.2001, 0.1388

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.



37.7466, 0.2904, 0.2246



37.7466, 0.3930, 0.4707



37.7466, 0.1856, 0.2171

Square

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



37.7466, 0.3930, 0.4707



37.7466, 0.1950, 0.3257



37.7466, 0.2244, 0.2085



37.7466, 0.4437, 0.3128

Rectangle

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



37.7466, 0.3930, 0.4707



37.7466, 0.2679, 0.4378



37.7466, 0.2244, 0.2085



37.7466, 0.3450, 0.2472

Sweetspot

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



37.7483, 0.3930, 0.4707



70.8032, 0.3385, 0.3738



13.4983, 0.4959, 0.3343



15.7253, 0.3426, 0.3809



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.



37.7483, 0.3930, 0.4707



67.0359, 0.4039, 0.4913



33.2102, 0.3419, 0.4998



9.3144, 0.3257, 0.3515



27.9494, 0.4128, 0.5104



0.7822, 0.4149, 0.5088

Inverse Universe

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



8.2889, 0.2001, 0.1388



9.6483, 0.1762, 0.0998



11.1221, 0.2554, 0.1628



7.7713, 0.2991, 0.3056



2.2536, 0.1515, 0.0608



0.0673, 0.1581, 0.0644

Previews

White Background



This preview shows how the Yxy color 37.7466, 0.3930, 0.4707 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 37.7466, 0.3930, 0.4707 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 37.7466, 0.3930, 0.4707

Background



This preview shows how black text looks on a background with the Yxy color 37.7466, 0.3930, 0.4707.



This preview shows how white text looks on a background with the Yxy color 37.7466, 0.3930, 0.4707.

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

37.7466, 0.3930, 0.4707

Protanopia

37.4823, 0.4163, 0.4566

Deuteranopia

37.5480, 0.4405, 0.4311



Tritanopia

37.5059, 0.3174, 0.3112

Trichromacy



Original Color

37.7466, 0.3930, 0.4707

Protanomaly

37.4958, 0.4079, 0.4612

Deuteranomaly

37.3592, 0.4227, 0.4447

Tritanomaly

37.1564, 0.3486, 0.3721

Monochromacy



Original Color

37.7466, 0.3930, 0.4707

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.2521, 0.3450, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7466, 0.3930, 0.4707 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(167, 171, 67)` looks like.

```
.text, #text, p{  
    color:rgb(167, 171, 67)  
}
```

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(167, 171, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 171, 67) }
```

Border

The CSS property to change the border of an element to Yxy 37.7466, 0.3930, 0.4707 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(167, 171, 67) }
```

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

```
.border{ border-color:rgb(167, 171, 67) }
```

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

Here you see how a box with a 4 pixel rgb(167, 171, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 171, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 171, 67);  
box-shadow:4px 4px 4px 4px rgb(167, 171,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7466, 0.3930, 0.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 171, 67) }
```

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

```
.background{ background-color: rgb(167,  
171, 67) }
```

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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