

Converting Colors

$Y_{xy}(37.6212, 0.4159, 0.5040)$

Have a look what the booklet for
Yxy(37.6212, 0.4159, 0.5040)
contains.

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Color

Yxy(37.5874, 0.4157, 0.5042)

Conversions

Conversions Part 1

Format	Color
Hex	A9AB0C
RGB	169, 171, 12
RGB Percent	66%, 67%, 5%
CMY	0.3373, 0.3294, 0.9527
CMYK	0.01, 0.00, 0.93, 0.33
HSL	61°, 87%, 36%
HSV	61°, 93%, 67%
XYZ	30.9898, 37.5874, 5.9713
YIQ	152.2760, 49.8470, -49.8730

Conversions

Conversions Part 2

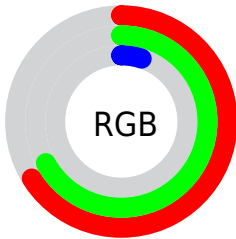
Format	Color
RYB	12, 171, 14
Decimal	11119372
CIELab	67.72, -16.71, 68.35
CIELCh	68, 70.363, 103.735
Yxy	37.5874, 0.4157, 0.5042
Android (android.graphics.Color)	4289309452 (0xFFA9AB0C)
YUV	152.2760, -69.1561, 14.6669
Hunter-Lab	61.3086, -17.0630, 37.1413

Details

The Yxy color **37.5874, 0.4157, 0.5042** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.2993, 0.1542, 0.0663**, and the grayscale version is **31.8174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4808, 0.4031, 0.4748**, and **16.6384, 0.4095, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **37.5455, 0.4171, 0.5070**, and if you desaturate by 10%, it is **37.6761, 0.4122, 0.4979**.

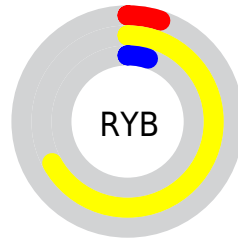
Distribution



Red (66%)

Green (67%)

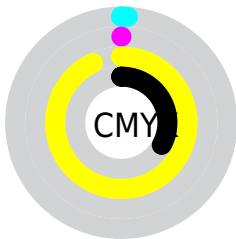
Blue (5%)



Red (5%)

Yellow (67%)

Blue (5%)

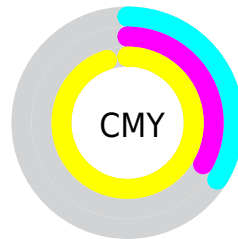


Cyan (1%)

Magenta (0%)

Yellow (93%)

Black (33%)



Cyan (34%)


Magenta (33%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5874, 0.4157, 0.5042 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 37.5874, 0.4157, 0.5042 by changing the saturation by 10% instead.


 37.5874, 0.4157,
0.5042

 37.5874, 0.4157,
0.5042


335.8467, 0.3718,
0.4186


 25.6626, 0.4219,
0.5220


 71.4753, 0.4029,
0.4752


 16.5714, 0.4265,
0.5417


 94.2072, 0.3970,
0.4635


 9.9294, 0.4316,
0.5684


 121.3102, 0.3917,
0.4534

 5.3522, 0.4184,
0.5816

 153.1688, 0.3869,
0.4446

 2.4553, 0.3972,
0.6028

 190.1674, 0.3825,
0.4369

 0.8541, 0.3211,
0.6789

 232.6903, 0.3786,

 0.0000, 0.0000,

0.4300

0.0000

281.1219, 0.3751,
0.4240

■ 37.5874, 0.4157,
0.5042

■ 37.5874, 0.4157,
0.5042

■ 37.5455, 0.4171,
0.5070

■ 37.6761, 0.4122,
0.4979

■ 37.8100, 0.4063,
0.4874

■ 37.9978, 0.3978,
0.4727

■ 38.2451, 0.3870,
0.4544

■ 38.5570, 0.3745,
0.4331

■ 38.9377, 0.3607,
0.4097

■ 39.3915, 0.3461,
0.3851

■ 39.9220, 0.3314,
0.3603

■ 40.5328, 0.3169,
0.3360

Harmonies

Analogous

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



37.5874, 0.4892, 0.4388



37.5874, 0.4157, 0.5042



37.5874, 0.3220, 0.5231

Triad

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



37.5874, 0.4157, 0.5042



37.5874, 0.1433, 0.2378



37.5874, 0.3797, 0.2387

Complementary

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



37.5874, 0.4157, 0.5042



3.2993, 0.1542, 0.0663

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.



37.5874, 0.2734, 0.1968



37.5874, 0.4157, 0.5042



37.5874, 0.1530, 0.1906

Square

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



37.5874, 0.4157, 0.5042



37.5874, 0.1677, 0.3313



37.5874, 0.1954, 0.1795



37.5874, 0.4771, 0.2983

Rectangle

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



37.5874, 0.4157, 0.5042



37.5874, 0.2593, 0.4856



37.5874, 0.1954, 0.1795



37.5874, 0.3427, 0.2223

Sweetspot

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



37.5892, 0.4157, 0.5042



70.0732, 0.3543, 0.3988



8.9502, 0.6265, 0.3299



15.5537, 0.3603, 0.4091



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.



37.5892, 0.4157, 0.5042



67.2276, 0.4171, 0.5070



31.4071, 0.3404, 0.5627



9.3249, 0.3261, 0.3514



28.3027, 0.4172, 0.5070



0.7890, 0.4179, 0.5064

Inverse Universe

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



3.2993, 0.1542, 0.0663



5.2841, 0.1503, 0.0602



5.4568, 0.2106, 0.0970



7.7619, 0.2987, 0.3056



2.2289, 0.1505, 0.0603



0.0635, 0.1527, 0.0615

Previews

White Background



This preview shows how the Yxy color 37.5874, 0.4157, 0.5042 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 37.5874, 0.4157, 0.5042 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 37.5874, 0.4157, 0.5042

Background



This preview shows how black text looks on a background with the Yxy color 37.5874, 0.4157, 0.5042.



This preview shows how white text looks on a background with the Yxy color 37.5874, 0.4157, 0.5042.

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

37.5874, 0.4157, 0.5042

Protanopia

37.3669, 0.4396, 0.4867

Deuteranopia

37.2707, 0.4667, 0.4564



Tritanopia

37.4398, 0.3221, 0.3127

Trichromacy



Original Color

37.5874, 0.4157, 0.5042

Protanomaly

37.3605, 0.4313, 0.4929

Deuteranomaly

37.0170, 0.4493, 0.4733

Tritanomaly

36.6167, 0.3714, 0.4002

Monochromacy



Original Color

37.5874, 0.4157, 0.5042

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.0050, 0.3651, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5874, 0.4157, 0.5042 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(169, 171, 12)` looks like.

```
.text, #text, p{  
    color:rgb(169, 171, 12)  
}
```

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(169, 171, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 171, 12) }
```

Border

The CSS property to change the border of an element to Yxy 37.5874, 0.4157, 0.5042 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(169, 171, 12) }
```

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

```
.border{ border-color:rgb(169, 171, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 171, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 171, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 171, 12);  
box-shadow:4px 4px 4px 4px rgb(169, 171,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5874, 0.4157, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 171, 12) }
```

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

```
.background{ background-color: rgb(169,  
171, 12) }
```

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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