

Converting Colors

$Y_{xy}(42.7458, 0.3754, 0.4251)$

Have a look what the booklet for
Yxy(42.7458, 0.3754, 0.4251)
contains.

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Color

Yxy(42.8474, 0.3753, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	B6B26B
RGB	182, 178, 107
RGB Percent	71%, 70%, 42%
CMY	0.2863, 0.3019, 0.5805
CMYK	0.00, 0.02, 0.41, 0.29
HSL	57°, 34%, 57%
HSV	57°, 41%, 71%
XYZ	37.8635, 42.8474, 20.1777
YIQ	171.1020, 25.1750, -21.2330

Conversions

Conversions Part 2

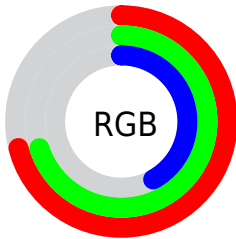
Format	Color
RYB	111, 182, 107
Decimal	11973227
CIELab	71.45, -9.04, 36.75
CIELCh	71, 37.849, 103.825
Yxy	42.8474, 0.3753, 0.4247
Android (android.graphics.Color)	4290163307 (0xFFB6B26B)
YUV	171.1020, -31.6023, 9.5575
Hunter-Lab	65.4579, -11.2998, 27.5441

Details

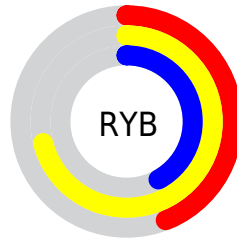
The Yxy color **42.8474, 0.3753, 0.4247** is a light color, and the websafe version is hex **999966**. A complement of this color would be **17.8622, 0.2383, 0.2109**, and the grayscale version is **40.9305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6996, 0.3648, 0.4079**, and **19.8164, 0.3904, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **42.1224, 0.3894, 0.4456**, and if you desaturate by 10%, it is **43.6597, 0.3602, 0.4020**.

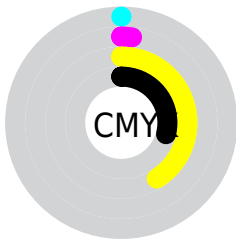
Distribution



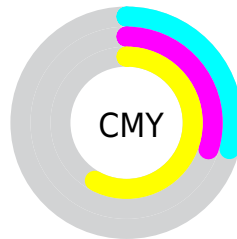
- Red (71%)
- Green (70%)
- Blue (42%)



- Red (44%)
- Yellow (71%)
- Blue (42%)



- Cyan (0%)
- Magenta (2%)
- Yellow (41%)
- Black (29%)





- Cyan (29%)
- Magenta (30%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8474, 0.3753, 0.4247 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 42.8474, 0.3753, 0.4247 by changing the saturation by 10% instead.


 42.8474, 0.3753,
0.4247

 42.8474, 0.3753,
0.4247


357.9838, 0.3449,
0.3761


 29.7654, 0.3823,
0.4367


 79.4805, 0.3647,
0.4070


 19.6606, 0.3907,
0.4519


 103.8005, 0.3605,
0.4004

 12.1486, 0.4008,
0.4715


 132.6351, 0.3570,
0.3948

 6.8449, 0.4125,
0.4971

 166.3690, 0.3539,
0.3900

 3.3653, 0.4431,
0.5542

205.3864, 0.3513,
0.3858

 1.3253, 0.4282,
0.5718

250.0717, 0.3489,

 0.1607, 0.0000,

0.3822

1.0000

300.8094, 0.3468,
0.3789

■ 0.0000, 0.0000,
0.0000

■ 42.8474, 0.3753,
0.4247

■ 42.8474, 0.3753,
0.4247

■ 42.1224, 0.3894,
0.4456

■ 43.6597, 0.3602,
0.4020

■ 41.4736, 0.4020,
0.4638

■ 44.5580, 0.3447,
0.3784

■ 40.8974, 0.4125,
0.4784

■ 45.5486, 0.3293,
0.3548

■ 40.3872, 0.4205,
0.4888

■ 46.6355, 0.3145,
0.3317

■ 39.9353, 0.4259,
0.4950

■ 47.8225, 0.3004,
0.3097

■ 39.5729, 0.4289,
0.4977

■ 49.1132, 0.2873,
0.2891

■ 50.5109, 0.2751,
0.2699

■ 52.0188, 0.2641,
0.2523

■ 52.5823, 0.2628,
0.2510

Harmonies

Analogous

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



42.8474, 0.4116, 0.3987



42.8474, 0.3753, 0.4247



42.8474, 0.3239, 0.4231

Triad

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



42.8474, 0.3753, 0.4247



42.8474, 0.2155, 0.2841



42.8474, 0.3493, 0.2788

Complementary

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



42.8474, 0.3753, 0.4247



17.8622, 0.2383, 0.2109

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.



42.8474, 0.2939, 0.2527



42.8474, 0.3753, 0.4247



42.8474, 0.2207, 0.2529

Square

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



42.8474, 0.3753, 0.4247



42.8474, 0.2332, 0.3338



42.8474, 0.2480, 0.2430



42.8474, 0.3975, 0.3164

Rectangle

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



42.8474, 0.3753, 0.4247



42.8474, 0.2885, 0.4030



42.8474, 0.2480, 0.2430



42.8474, 0.3307, 0.2686

Sweetspot

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



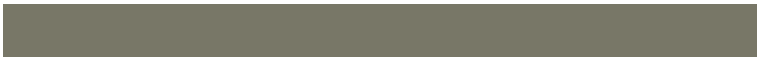
42.8494, 0.3753, 0.4247



82.4012, 0.3308, 0.3571



21.6243, 0.4091, 0.3221



18.1468, 0.3328, 0.3602



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.8494, 0.3753, 0.4247



76.5479, 0.3876, 0.4428



40.9498, 0.3428, 0.4406



10.4194, 0.3265, 0.3504



27.9794, 0.4288, 0.4978



1.0114, 0.4261, 0.4999

Inverse Universe

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



17.8622, 0.2383, 0.2109



25.3942, 0.2204, 0.1818



19.4185, 0.2697, 0.2144



8.7940, 0.2984, 0.3066



2.5645, 0.1511, 0.0640



0.1164, 0.1556, 0.0800

Previews

White Background



This preview shows how the Yxy color 42.8474, 0.3753, 0.4247 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 42.8474, 0.3753, 0.4247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

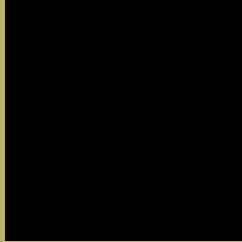
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8474, 0.3753, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 42.8474, 0.3753, 0.4247.



This preview shows how white text looks on a background with the Yxy color 42.8474, 0.3753, 0.4247.

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

42.8474, 0.3753, 0.4247

Protanopia

42.7769, 0.3864, 0.4193

Deuteranopia

42.5904, 0.4082, 0.4002



Tritanopia

42.7005, 0.3208, 0.3122

Trichromacy



Original Color

42.8474, 0.3753, 0.4247

Protanomaly

42.7826, 0.3829, 0.4215

Deuteranomaly

42.4879, 0.3958, 0.4093

Tritanomaly

42.4364, 0.3412, 0.3518

Monochromacy



Original Color

42.8474, 0.3753, 0.4247

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.5242, 0.3356, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8474, 0.3753, 0.4247 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(182, 178, 107)` looks like.

```
.text, #text, p{  
    color:rgb(182, 178, 107)  
}
```

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(182, 178, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 178, 107) }
```

Border

The CSS property to change the border of an element to Yxy 42.8474, 0.3753, 0.4247 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(182, 178, 107) }
```

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

```
.border{ border-color:rgb(182, 178, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 178, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 178, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 178, 107);  
box-shadow:4px 4px 4px 4px rgb(182, 178,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8474, 0.3753, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 178, 107) }
```

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

```
.background{ background-color: rgb(182,  
178, 107) }
```

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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