

Converting Colors

$Y_{xy}(42.9116, 0.3847, 0.4759)$

Have a look what the booklet for
Yxy(42.9116, 0.3847, 0.4759)
contains.

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Color

Yxy(42.8809, 0.3847, 0.4757)

Conversions

Conversions Part 1

Format	Color
Hex	AAB748
RGB	170, 183, 72
RGB Percent	67%, 72%, 28%
CMY	0.3334, 0.2823, 0.7175
CMYK	0.07, 0.00, 0.61, 0.28
HSL	67°, 44%, 50%
HSV	67°, 61%, 72%
XYZ	34.6779, 42.8809, 12.5839
YIQ	166.4590, 27.8830, -37.2770

Conversions

Conversions Part 2

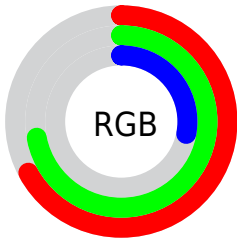
Format	Color
RYB	72, 183, 85
Decimal	11188040
CIELab	71.47, -19.76, 53.40
CIELCh	71, 56.937, 110.311
Yxy	42.8809, 0.3847, 0.4757
Android (android.graphics.Color)	4289378120 (0xFFAAB748)
YUV	166.4590, -46.5683, 3.1055
Hunter-Lab	65.4835, -20.0684, 34.4447

Details

The Yxy color **42.8809, 0.3847, 0.4757** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **9.9914, 0.2071, 0.1416**, and the grayscale version is **38.5877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5446, 0.3742, 0.4493**, and **19.6392, 0.3966, 0.5149** is the 20% darker color. If you saturate the color by 10%, you get **42.4409, 0.3919, 0.4934**, and if you desaturate by 10%, it is **43.3998, 0.3754, 0.4546**.

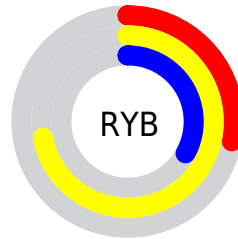
Distribution



Red (67%)

Green (72%)

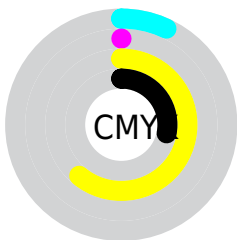
Blue (28%)



Red (28%)

Yellow (72%)

Blue (33%)

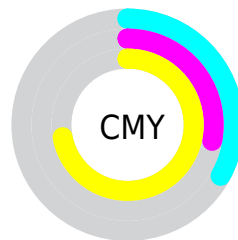


Cyan (7%)

Magenta (0%)

Yellow (61%)

Black (28%)



Cyan (33%)


Magenta (28%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8809, 0.3847, 0.4757 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 42.8809, 0.3847, 0.4757 by changing the saturation by 10% instead.


 42.8809, 0.3847,
0.4757


 42.8809, 0.3847,
0.4757


358.1217, 0.3527,
0.4014


 29.7917, 0.3905,
0.4933


 79.5311, 0.3745,
0.4491


 19.6805, 0.3963,
0.5149


 103.8609, 0.3702,
0.4389


 12.1630, 0.4009,
0.5413


 132.7063, 0.3664,
0.4303

 6.8548, 0.4099,
0.5849

 166.4517, 0.3630,
0.4229

 3.3715, 0.3912,
0.6088

 205.4816, 0.3600,
0.4164

 1.3286, 0.3530,
0.6470

250.1803, 0.3573,

 0.1632, 0.0000,

0.4108

1.0000

300.9322, 0.3549,
0.4058

■ 0.0000, 0.0000,
0.0000

■ 42.8809, 0.3847,
0.4757

■ 42.8809, 0.3847,
0.4757

■ 42.4409, 0.3919,
0.4934

■ 43.3998, 0.3754,
0.4546

■ 42.0674, 0.3965,
0.5070

■ 43.9976, 0.3643,
0.4310

■ 41.7546, 0.3986,
0.5161

■ 44.6812, 0.3521,
0.4059

■ 41.5023, 0.3988,
0.5215

■ 45.4554, 0.3393,
0.3803

■ 46.3247, 0.3263,
0.3550

■ 47.2930, 0.3135,
0.3305

■ 48.3642, 0.3012,
0.3074

■ 49.5419, 0.2896,
0.2859

■ 50.8295, 0.2788,
0.2661

Harmonies

Analogous

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



42.8809, 0.4467, 0.4359



42.8809, 0.3847, 0.4757



42.8809, 0.3077, 0.4690

Triad

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



42.8809, 0.3847, 0.4757



42.8809, 0.1735, 0.2474



42.8809, 0.3842, 0.2666

Complementary

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



42.8809, 0.3847, 0.4757



9.9914, 0.2071, 0.1416

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.



42.8809, 0.3002, 0.2271



42.8809, 0.3847, 0.4757



42.8809, 0.1875, 0.2131

Square

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



42.8809, 0.3847, 0.4757



42.8809, 0.1892, 0.3148



42.8809, 0.2303, 0.2079



42.8809, 0.4520, 0.3196

Rectangle

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



42.8809, 0.3847, 0.4757



42.8809, 0.2582, 0.4303



42.8809, 0.2303, 0.2079



42.8809, 0.3562, 0.2515

Sweetspot

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



42.8829, 0.3847, 0.4757



81.7500, 0.3362, 0.3743



17.0297, 0.4874, 0.3466



17.9607, 0.3400, 0.3817



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.



42.8829, 0.3847, 0.4757



75.7503, 0.3938, 0.4987



37.9550, 0.3340, 0.5046



10.4484, 0.3246, 0.3517



28.9687, 0.3991, 0.5213



1.0365, 0.4046, 0.5169

Inverse Universe

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



9.9914, 0.2071, 0.1416



11.6948, 0.1829, 0.1027



13.6735, 0.2663, 0.1673



8.7686, 0.3002, 0.3055



2.5162, 0.1549, 0.0627



0.1053, 0.1716, 0.0719

Previews

White Background



This preview shows how the Yxy color 42.8809, 0.3847, 0.4757 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 42.8809, 0.3847, 0.4757 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 42.8809, 0.3847, 0.4757

Background



This preview shows how black text looks on a background with the Yxy color 42.8809, 0.3847, 0.4757.



This preview shows how white text looks on a background with the Yxy color 42.8809, 0.3847, 0.4757.

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

42.8809, 0.3847, 0.4757

Protanopia

42.7042, 0.4159, 0.4561

Deuteranopia

42.5600, 0.4399, 0.4295



Tritanopia

42.9529, 0.3109, 0.3120

Trichromacy



Original Color

42.8809, 0.3847, 0.4757

Protanomaly

42.7348, 0.4043, 0.4631

Deuteranomaly

42.2924, 0.4200, 0.4459

Tritanomaly

42.5293, 0.3414, 0.3731

Monochromacy



Original Color

42.8809, 0.3847, 0.4757

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.3865, 0.3423, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8809, 0.3847, 0.4757 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(170, 183, 72)` looks like.

```
.text, #text, p{  
    color:rgb(170, 183, 72)  
}
```

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(170, 183, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 183, 72) }
```

Border

The CSS property to change the border of an element to Yxy 42.8809, 0.3847, 0.4757 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(170, 183, 72) }
```

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

```
.border{ border-color:rgb(170, 183, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 183, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 183, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 183, 72);  
box-shadow:4px 4px 4px 4px rgb(170, 183,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8809, 0.3847, 0.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 183, 72) }
```

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

```
.background{ background-color: rgb(170,  
183, 72) }
```

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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