

Converting Colors

$Y_{xy}(42.0856, 0.3853, 0.4071)$

Have a look what the booklet for
Yxy(42.0856, 0.3853, 0.4071)
contains.

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Color

Yxy(42.1442, 0.3860, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	C2AC70
RGB	194, 172, 112
RGB Percent	76%, 67%, 44%
CMY	0.2393, 0.3254, 0.5608
CMYK	0.00, 0.11, 0.42, 0.24
HSL	44°, 40%, 60%
HSV	44°, 42%, 76%
XYZ	39.9206, 42.1442, 21.3565
YIQ	171.7380, 32.3720, -13.9960

Conversions

Conversions Part 2

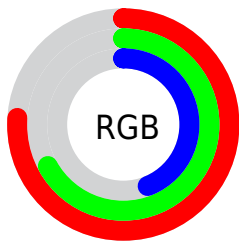
Format	Color
RYB	142, 194, 112
Decimal	12758128
CIELab	70.97, -0.43, 33.74
CIElCh	71, 33.748, 90.722
Yxy	42.1442, 0.3860, 0.4075
Android (android.graphics.Color)	4290948208 (0xFFC2AC70)
YUV	171.7380, -29.4508, 19.5238
Hunter-Lab	64.9186, -3.8417, 25.9381

Details

The Yxy color **42.1442, 0.3860, 0.4075** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.3761, 0.2404, 0.2350**, and the grayscale version is **41.2544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3140, 0.3735, 0.3936**, and **19.2808, 0.4058, 0.4284** is the 20% darker color. If you saturate the color by 10%, you get **39.8198, 0.4052, 0.4247**, and if you desaturate by 10%, it is **44.6430, 0.3670, 0.3889**.

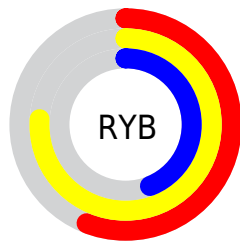
Distribution



Red (76%)

Green (67%)

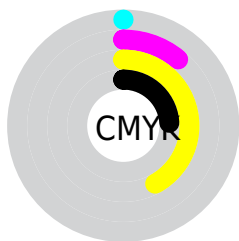
Blue (44%)



Red (56%)

Yellow (76%)

Blue (44%)

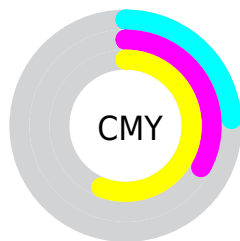


Cyan (0%)

Magenta (11%)

Yellow (42%)

Black (24%)



Cyan (24%)


Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1442, 0.3860, 0.4075 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 42.1442, 0.3860, 0.4075 by changing the saturation by 10% instead.


 42.1442, 0.3860,
0.4075

 42.1442, 0.3860,
0.4075


355.0804, 0.3495,
0.3683

 29.2142, 0.3948,
0.4170


 78.4178, 0.3729,
0.3934


 19.2429, 0.4057,
0.4288


 102.5302, 0.3679,
0.3881

 11.8459, 0.4196,
0.4437


 131.1389, 0.3637,
0.3836

 6.6389, 0.4371,
0.4628

 164.6283, 0.3601,
0.3796

 3.2373, 0.4726,
0.5013

203.3827, 0.3569,
0.3763

 1.2568, 0.4846,
0.5154

247.7866, 0.3541,

 0.1074, 0.4606,

0.3733

0.5394

298.2244, 0.3517,
0.3707

0.0000, 0.0000,
0.0000

42.1442, 0.3860,
0.4075

42.1442, 0.3860,
0.4075

39.8198, 0.4052,
0.4247

44.6430, 0.3670,
0.3889

37.6569, 0.4239,
0.4396

47.3166, 0.3489,
0.3699

35.6500, 0.4412,
0.4511

50.1730, 0.3318,
0.3511

33.7903, 0.4563,
0.4583

53.2176, 0.3161,
0.3330

32.0677, 0.4685,
0.4607

56.4558, 0.3018,
0.3158

■ 30.8155, 0.4764,
0.4599

■ 59.8924, 0.2888,
0.2998

■ 63.5324, 0.2772,
0.2849

■ 66.5711, 0.2735,
0.2834

■ 69.2371, 0.2740,
0.2893

Harmonies

Analogous

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



42.1442, 0.4086, 0.3778



42.1442, 0.3860, 0.4075



42.1442, 0.3444, 0.4173

Triad

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



42.1442, 0.3860, 0.4075



42.1442, 0.2293, 0.3072



42.1442, 0.3239, 0.2716

Complementary

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



42.1442, 0.3860, 0.4075



24.3761, 0.2404, 0.2350

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.



42.1442, 0.2762, 0.2539



42.1442, 0.3860, 0.4075



42.1442, 0.2248, 0.2707

Square

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



42.1442, 0.3860, 0.4075



42.1442, 0.2545, 0.3553



42.1442, 0.2411, 0.2528



42.1442, 0.3718, 0.3021

Rectangle

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



42.1442, 0.3860, 0.4075



42.1442, 0.3121, 0.4079



42.1442, 0.2411, 0.2528



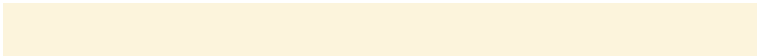
42.1442, 0.3072, 0.2641

Sweetspot

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



42.1462, 0.3860, 0.4075



90.4229, 0.3334, 0.3529



24.8082, 0.3892, 0.2978



19.5417, 0.3371, 0.3571



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.



42.1462, 0.3860, 0.4075



72.3478, 0.4043, 0.4240



48.9986, 0.3592, 0.4382



11.2870, 0.3271, 0.3458



20.4061, 0.4755, 0.4607



0.9902, 0.4603, 0.4727

Inverse Universe

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



24.3761, 0.2404, 0.2350



35.8394, 0.2227, 0.2091



20.2067, 0.2507, 0.2051



10.1772, 0.2984, 0.3117



4.2915, 0.1595, 0.0942



0.3034, 0.1723, 0.1401

Previews

White Background



This preview shows how the Yxy color 42.1442, 0.3860, 0.4075 looks on a white background.

Color Contrast Check

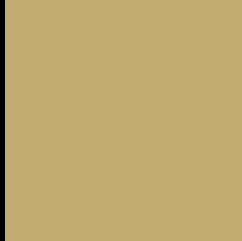
Large Text (above 18pt) WCAG AA × Fail

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 42.1442, 0.3860, 0.4075 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 42.1442, 0.3860, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 42.1442, 0.3860, 0.4075.



This preview shows how white text looks on a background with the Yxy color 42.1442, 0.3860, 0.4075.

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

42.1442, 0.3860, 0.4075

Protanopia

42.2832, 0.3792, 0.4101

Deuteranopia

42.0200, 0.4033, 0.3949



Tritanopia

42.1428, 0.3361, 0.3127

Trichromacy



Original Color

42.1442, 0.3860, 0.4075

Protanomaly

42.1558, 0.3817, 0.4083

Deuteranomaly

42.0349, 0.3972, 0.3986

Tritanomaly

41.9431, 0.3549, 0.3473

Monochromacy



Original Color

42.1442, 0.3860, 0.4075

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.4104, 0.3390, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1442, 0.3860, 0.4075 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(194, 172, 112)` looks like.

```
.text, #text, p{  
    color:rgb(194, 172, 112)  
}
```

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(194, 172, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 172, 112) }
```

Border

The CSS property to change the border of an element to Yxy 42.1442, 0.3860, 0.4075 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(194, 172, 112) }
```

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

```
.border{ border-color:rgb(194, 172, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 172, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 172, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 172, 112);  
box-shadow:4px 4px 4px 4px rgb(194, 172,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1442, 0.3860, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 172, 112) }
```

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

```
.background{ background-color: rgb(194,  
172, 112) }
```

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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