

Converting Colors

$Yxy(42.6088, 0.3688, 0.4437)$

Have a look what the booklet for
Yxy(42.6088, 0.3688, 0.4437)
contains.

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Color

Yxy(42.4756, 0.3690, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	AAB562
RGB	170, 181, 98
RGB Percent	67%, 71%, 38%
CMY	0.3335, 0.2901, 0.6157
CMYK	0.06, 0.00, 0.46, 0.29
HSL	68°, 36%, 55%
HSV	68°, 46%, 71%
XYZ	35.3007, 42.4756, 17.8895
YIQ	168.2490, 20.0870, -28.1450

Conversions

Conversions Part 2

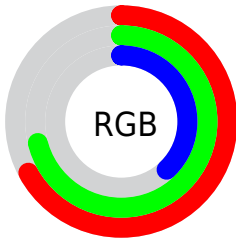
Format	Color
RYB	98, 181, 109
Decimal	11187554
CIELab	71.20, -16.45, 40.80
CIELCh	71, 43.990, 111.954
Yxy	42.4756, 0.3690, 0.4440
Android (android.graphics.Color)	4289377634 (0xFFAAB562)
YUV	168.2490, -34.6328, 1.5356
Hunter-Lab	65.1733, -17.3700, 29.3467

Details

The Yxy color **42.4756, 0.3690, 0.4440** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **15.3228, 0.2377, 0.1915**, and the grayscale version is **39.4509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1013, 0.3605, 0.4227**, and **19.3647, 0.3812, 0.4777** is the 20% darker color. If you saturate the color by 10%, you get **41.9076, 0.3789, 0.4667**, and if you desaturate by 10%, it is **43.1297, 0.3576, 0.4194**.

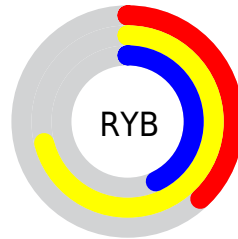
Distribution



Red (67%)

Green (71%)

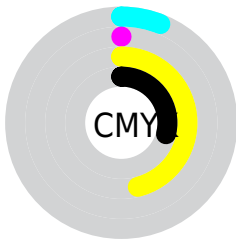
Blue (38%)



Red (38%)

Yellow (71%)

Blue (43%)

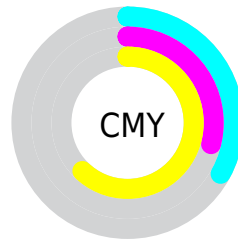


Cyan (6%)

Magenta (0%)

Yellow (46%)

Black (29%)



Cyan (33%)


Magenta (29%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4756, 0.3690, 0.4440 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 42.4756, 0.3690, 0.4440 by changing the saturation by 10% instead.


 42.4756, 0.3690,
0.4440

 42.4756, 0.3690,
0.4440


356.4507, 0.3426,
0.3848

 29.4739, 0.3746,
0.4588


 78.9189, 0.3601,
0.4223

 19.4396, 0.3810,
0.4776


 103.1293, 0.3565,
0.4142

 11.9883, 0.3879,
0.5020


 131.8447, 0.3534,
0.4074

 6.7357, 0.3941,
0.5339

 165.4495, 0.3507,
0.4015

 3.2974, 0.4072,
0.5928

204.3281, 0.3483,
0.3965

 1.2889, 0.3760,
0.6240

248.8649, 0.3462,

 0.1326, 0.0000,

0.3921

1.0000

299.4443, 0.3443,
0.3882

0.0000, 0.0000,
0.0000

42.4756, 0.3690,
0.4440

42.4756, 0.3690,
0.4440

41.9076, 0.3789,
0.4667

43.1297, 0.3576,
0.4194

41.4146, 0.3869,
0.4864

43.8689, 0.3453,
0.3938

40.9926, 0.3925,
0.5024


44.6995, 0.3327,
0.3681

40.6346, 0.3956,
0.5140


45.6258, 0.3200,
0.3431

40.3318, 0.3962,
0.5213


46.6515, 0.3077,
0.3193

 40.2150, 0.3961,
0.5237

 47.7802, 0.2959,
0.2970

 49.0154, 0.2849,
0.2764

 50.3605, 0.2746,
0.2575

 51.4326, 0.2687,
0.2458

Harmonies

Analogous

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



42.4756, 0.4179, 0.4187



42.4756, 0.3690, 0.4440



42.4756, 0.3077, 0.4328

Triad

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



42.4756, 0.3690, 0.4440



42.4756, 0.2005, 0.2640



42.4756, 0.3721, 0.2818

Complementary

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



42.4756, 0.3690, 0.4440



15.3228, 0.2377, 0.1915

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.



42.4756, 0.3074, 0.2482



42.4756, 0.3690, 0.4440



42.4756, 0.2133, 0.2358

Square

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



42.4756, 0.3690, 0.4440



42.4756, 0.2131, 0.3165



42.4756, 0.2503, 0.2316



42.4756, 0.4226, 0.3264

Rectangle

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



42.4756, 0.3690, 0.4440



42.4756, 0.2684, 0.4023



42.4756, 0.2503, 0.2316



42.4756, 0.3509, 0.2690

Sweetspot

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



42.4775, 0.3690, 0.4440



80.3019, 0.3306, 0.3640



21.3633, 0.4273, 0.3433



17.2834, 0.3333, 0.3694



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.4775, 0.3690, 0.4440



75.0385, 0.3790, 0.4668



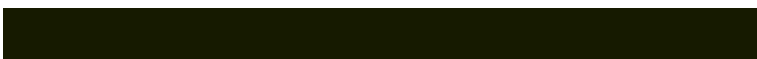
38.6659, 0.3318, 0.4597



9.8482, 0.3243, 0.3516



27.7405, 0.3964, 0.5234



0.8886, 0.4032, 0.5180

Inverse Universe

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



15.3228, 0.2377, 0.1915



20.3859, 0.2179, 0.1577



18.4768, 0.2806, 0.2063



8.2825, 0.3005, 0.3056



2.4523, 0.1559, 0.0632



0.0943, 0.1756, 0.0741

Previews

White Background



This preview shows how the Yxy color 42.4756, 0.3690, 0.4440 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 42.4756, 0.3690, 0.4440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

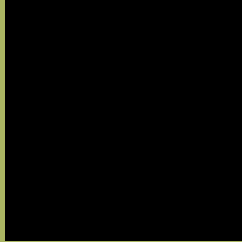
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4756, 0.3690, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 42.4756, 0.3690, 0.4440.



This preview shows how white text looks on a background with the Yxy color 42.4756, 0.3690, 0.4440.

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

42.4756, 0.3690, 0.4440

Protanopia

42.3231, 0.3958, 0.4297

Deuteranopia

42.2288, 0.4158, 0.4066



Tritanopia

42.3319, 0.3091, 0.3105

Trichromacy



Original Color

42.4756, 0.3690, 0.4440

Protanomaly

42.4977, 0.3854, 0.4351

Deuteranomaly

41.9357, 0.3987, 0.4186

Tritanomaly

42.1900, 0.3321, 0.3594

Monochromacy



Original Color

42.4756, 0.3690, 0.4440

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.3053, 0.3345, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4756, 0.3690, 0.4440 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, 181, 98)` looks like.

```
.text, #text, p{  
    color:rgb(170, 181, 98)  
}
```

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, 181, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 98) }
```

Border

The CSS property to change the border of an element to Yxy 42.4756, 0.3690, 0.4440 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, 181, 98) }
```

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

```
.border{ border-color:rgb(170, 181, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 181, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 181, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 181, 98);  
box-shadow:4px 4px 4px 4px rgb(170, 181,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4756, 0.3690, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 181, 98) }
```

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

```
.background{ background-color: rgb(170,  
181, 98) }
```

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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