

Converting Colors

$Y_{xy}(42.4339, 0.3744, 0.4472)$

Have a look what the booklet for
Yxy(42.4339, 0.3744, 0.4472)
contains.

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Color

Yxy(42.2213, 0.3743, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	ACB45E
RGB	172, 180, 94
RGB Percent	67%, 71%, 37%
CMY	0.3255, 0.2941, 0.6313
CMYK	0.04, 0.00, 0.48, 0.29
HSL	66°, 36%, 54%
HSV	66°, 48%, 71%
XYZ	35.3544, 42.2213, 16.8791
YIQ	167.8040, 22.8380, -28.4420

Conversions

Conversions Part 2

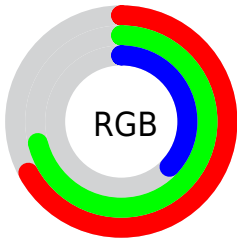
Format	Color
RYB	94, 180, 102
Decimal	11318366
CIELab	71.02, -15.51, 42.60
CIELCh	71, 45.338, 110.008
Yxy	42.2213, 0.3743, 0.4470
Android (android.graphics.Color)	4289508446 (0xFFACB45E)
YUV	167.8040, -36.3854, 3.6799
Hunter-Lab	64.9779, -16.5896, 30.0830

Details

The Yxy color **42.2213, 0.3743, 0.4470** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.1302, 0.2307, 0.1839**, and the grayscale version is **39.2313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7242, 0.3647, 0.4254**, and **19.2121, 0.3879, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **41.7482, 0.3846, 0.4685**, and if you desaturate by 10%, it is **42.7760, 0.3624, 0.4232**.

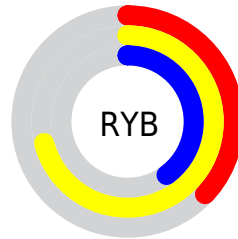
Distribution



Red (67%)

Green (71%)

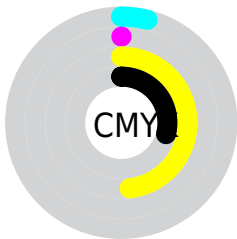
Blue (37%)



Red (37%)

Yellow (71%)

Blue (40%)

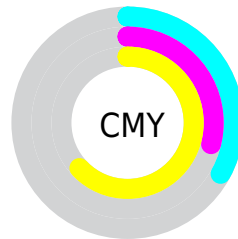


Cyan (4%)

Magenta (0%)

Yellow (48%)

Black (29%)



Cyan (33%)


Magenta (29%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2213, 0.3743, 0.4470 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 42.2213, 0.3743, 0.4470 by changing the saturation by 10% instead.


 42.2213, 0.3743,
0.4470

 42.2213, 0.3743,
0.4470


355.3995, 0.3454,
0.3865

 29.2746, 0.3804,
0.4620


 78.5344, 0.3645,
0.4250


 19.2887, 0.3873,
0.4809


 102.6697, 0.3606,
0.4167

 11.8790, 0.3948,
0.5051


 131.3032, 0.3572,
0.4097

 6.6614, 0.4018,
0.5368

 164.8195, 0.3542,
0.4037

 3.2512, 0.4115,
0.5885

203.6029, 0.3516,
0.3985

 1.2643, 0.3819,
0.6181

248.0377, 0.3493,

 0.1133, 0.0000,

0.3940

1.0000

298.5085, 0.3473,
0.3900

■ 0.0000, 0.0000,
0.0000

■ 42.2213, 0.3743,
0.4470

■ 42.2213, 0.3743,
0.4470

■ 41.7482, 0.3846,
0.4685

■ 42.7760, 0.3624,
0.4232

■ 41.3457, 0.3929,
0.4867

■ 43.4113, 0.3496,
0.3982

■ 41.0095, 0.3987,
0.5010

■ 44.1336, 0.3362,
0.3728


■ 40.7328, 0.4020,
0.5110

■ 44.9469, 0.3229,
0.3478


■ 40.5045, 0.4030,
0.5170


■ 45.8552, 0.3099,
0.3237

 40.4561, 0.4031,
0.5181

 46.8620, 0.2974,
0.3011

 47.9707, 0.2857,
0.2800

 49.1845, 0.2748,
0.2606

 50.4407, 0.2654,
0.2439

Harmonies

Analogous

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



42.2213, 0.4234, 0.4186



42.2213, 0.3743, 0.4470



42.2213, 0.3115, 0.4386

Triad

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



42.2213, 0.3743, 0.4470



42.2213, 0.1973, 0.2646



42.2213, 0.3699, 0.2777

Complementary

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



42.2213, 0.3743, 0.4470



14.1302, 0.2307, 0.1839

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.



42.2213, 0.3028, 0.2443



42.2213, 0.3743, 0.4470



42.2213, 0.2088, 0.2341

Square

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



42.2213, 0.3743, 0.4470



42.2213, 0.2119, 0.3200



42.2213, 0.2452, 0.2284



42.2213, 0.4238, 0.3229

Rectangle

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



42.2213, 0.3743, 0.4470



42.2213, 0.2705, 0.4087



42.2213, 0.2452, 0.2284



42.2213, 0.3477, 0.2649

Sweetspot

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



42.2232, 0.3743, 0.4470



80.5195, 0.3315, 0.3639



19.8552, 0.4365, 0.3397



17.3373, 0.3344, 0.3692



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.



42.2232, 0.3743, 0.4470



75.6770, 0.3848, 0.4689



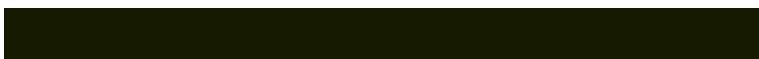
38.1868, 0.3348, 0.4644



9.8656, 0.3249, 0.3516



28.2495, 0.4033, 0.5180



0.9005, 0.4081, 0.5142

Inverse Universe

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



14.1302, 0.2307, 0.1839



18.7918, 0.2102, 0.1494



17.2490, 0.2755, 0.1999



8.2668, 0.2999, 0.3056



2.3953, 0.1537, 0.0620



0.0877, 0.1682, 0.0700

Previews

White Background



This preview shows how the Yxy color 42.2213, 0.3743, 0.4470 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 42.2213, 0.3743, 0.4470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

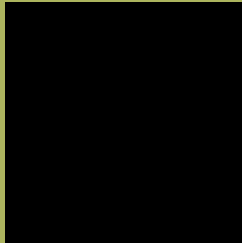
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2213, 0.3743, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 42.2213, 0.3743, 0.4470.



This preview shows how white text looks on a background with the Yxy color 42.2213, 0.3743, 0.4470.

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

42.2213, 0.3743, 0.4470

Protanopia

42.1212, 0.3979, 0.4347

Deuteranopia

42.1513, 0.4192, 0.4110



Tritanopia

42.1134, 0.3126, 0.3119

Trichromacy



Original Color

42.2213, 0.3743, 0.4470

Protanomaly

42.0313, 0.3890, 0.4387

Deuteranomaly

41.8592, 0.4019, 0.4232

Tritanomaly

41.9714, 0.3358, 0.3607

Monochromacy



Original Color

42.2213, 0.3743, 0.4470

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.8632, 0.3364, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2213, 0.3743, 0.4470 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(172, 180, 94)` looks like.

```
.text, #text, p{  
    color:rgb(172, 180, 94)  
}
```

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(172, 180, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 180, 94) }
```

Border

The CSS property to change the border of an element to Yxy 42.2213, 0.3743, 0.4470 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(172, 180, 94) }
```

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

```
.border{ border-color:rgb(172, 180, 94) }
```

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

Here you see how a box with a 4 pixel rgb(172, 180, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 180, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 180, 94);  
box-shadow:4px 4px 4px 4px rgb(172, 180,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2213, 0.3743, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 180, 94) }
```

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

```
.background{ background-color: rgb(172,  
180, 94) }
```

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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