

Converting Colors

$Y_{xy}(45.9504, 0.3727, 0.4216)$

Have a look what the booklet for
Yxy(45.9504, 0.3727, 0.4216)
contains.

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Color

Yxy(46.0380, 0.3725, 0.4223)

Conversions

Conversions Part 1

Format	Color
Hex	BBB871
RGB	187, 184, 113
RGB Percent	73%, 72%, 44%
CMY	0.2668, 0.2784, 0.5568
CMYK	0.00, 0.02, 0.40, 0.27
HSL	58°, 35%, 59%
HSV	58°, 40%, 73%
XYZ	40.6089, 46.0380, 22.3703
YIQ	176.8030, 24.5790, -21.4450

Conversions

Conversions Part 2

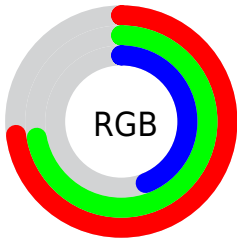
Format	Color
RYB	116, 187, 113
Decimal	12302449
CIELab	73.57, -9.49, 36.42
CIELCh	74, 37.634, 104.609
Yxy	46.0380, 0.3725, 0.4223
Android (android.graphics.Color)	4290492529 (0xFFBBB871)
YUV	176.8030, -31.4549, 8.9428
Hunter-Lab	67.8513, -11.9077, 27.9482

Details

The Yxy color **46.0380, 0.3725, 0.4223** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **19.5793, 0.2414, 0.2147**, and the grayscale version is **44.0152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3064, 0.3622, 0.4053**, and **21.4970, 0.3868, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **45.3521, 0.3866, 0.4438**, and if you desaturate by 10%, it is **46.8165, 0.3575, 0.3991**.

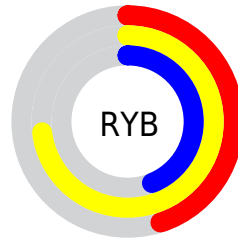
Distribution



Red (73%)

Green (72%)

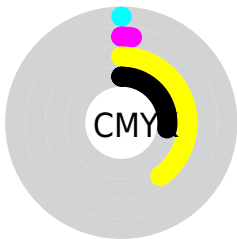
Blue (44%)



Red (45%)

Yellow (73%)

Blue (44%)

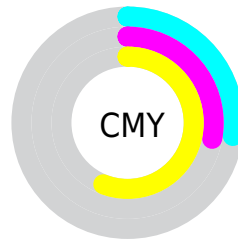


Cyan (0%)

Magenta (2%)

Yellow (40%)

Black (27%)



Cyan (27%)


Magenta (28%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0380, 0.3725, 0.4223 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 46.0380, 0.3725, 0.4223 by changing the saturation by 10% instead.


 46.0380, 0.3725,
0.4223


 46.0380, 0.3725,
0.4223


370.9614, 0.3438,
0.3754


 32.2758, 0.3790,
0.4338


 84.2759, 0.3625,
0.4053


 21.5723, 0.3869,
0.4483


 109.5203, 0.3586,
0.3989

 13.5429, 0.3964,
0.4669


 139.3610, 0.3553,
0.3935

 7.8035, 0.4075,
0.4914

 174.1823, 0.3524,
0.3888

 3.9694, 0.4270,
0.5334

214.3686, 0.3498,
0.3848

 1.6565, 0.4297,
0.5703

260.3043, 0.3476,

 0.3952, 0.2670,

0.3813

0.7330

312.3737, 0.3456,
0.3782

0.0000, 0.0000,
0.0000

46.0380, 0.3725,
0.4223

46.0380, 0.3725,
0.4223

45.3521, 0.3866,
0.4438

46.8165, 0.3575,
0.3991

44.7471, 0.3992,
0.4626

47.6862, 0.3421,
0.3752

44.2191, 0.4097,
0.4779


48.6538, 0.3268,
0.3513


43.7615, 0.4177,
0.4892


49.7234, 0.3121,
0.3280

43.3661, 0.4231,
0.4961


50.8991, 0.2981,
0.3058


 43.0179, 0.4263,
0.4995

 52.1847, 0.2851,
0.2851

 43.0028, 0.4264,
0.4996

 53.5837, 0.2731,
0.2658

 54.6015, 0.2665,
0.2555

 54.9257, 0.2666,
0.2564

Harmonies

Analogous

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



46.0380, 0.4082, 0.3978



46.0380, 0.3725, 0.4223



46.0380, 0.3224, 0.4196

Triad

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



46.0380, 0.3725, 0.4223



46.0380, 0.2179, 0.2845



46.0380, 0.3497, 0.2810

Complementary

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



46.0380, 0.3725, 0.4223



19.5793, 0.2414, 0.2147

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.



46.0380, 0.2958, 0.2552



46.0380, 0.3725, 0.4223



46.0380, 0.2236, 0.2545

Square

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



46.0380, 0.3725, 0.4223



46.0380, 0.2347, 0.3324



46.0380, 0.2507, 0.2453



46.0380, 0.3960, 0.3179

Rectangle

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



46.0380, 0.3725, 0.4223



46.0380, 0.2880, 0.3996



46.0380, 0.2507, 0.2453



46.0380, 0.3317, 0.2709

Sweetspot

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



46.0401, 0.3725, 0.4223



86.6983, 0.3308, 0.3575



23.6501, 0.4054, 0.3241



19.0416, 0.3328, 0.3607



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



46.0401, 0.3725, 0.4223



81.4675, 0.3842, 0.4401



43.5584, 0.3408, 0.4364



11.0534, 0.3265, 0.3508



29.6670, 0.4264, 0.4997



1.1825, 0.4245, 0.5011

Inverse Universe

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



19.5793, 0.2414, 0.2147



27.8036, 0.2242, 0.1866



21.5360, 0.2731, 0.2196



9.2848, 0.2984, 0.3062



2.6091, 0.1508, 0.0630



0.1234, 0.1540, 0.0744

Previews

White Background



This preview shows how the Yxy color 46.0380, 0.3725, 0.4223 looks on a white background.

Color Contrast Check

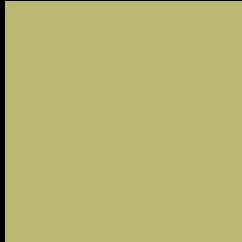
Large Text (above 18pt) WCAG AA × Fail

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 46.0380, 0.3725, 0.4223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

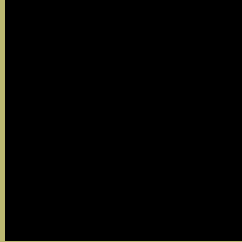
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0380, 0.3725, 0.4223

Background



This preview shows how black text looks on a background with the Yxy color 46.0380, 0.3725, 0.4223.



This preview shows how white text looks on a background with the Yxy color 46.0380, 0.3725, 0.4223.

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

46.0380, 0.3725, 0.4223

Protanopia

46.0879, 0.3842, 0.4169

Deuteranopia

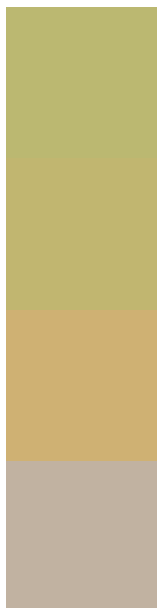
46.0535, 0.4053, 0.3970



Tritanopia

46.0698, 0.3197, 0.3115

Trichromacy



Original Color

46.0380, 0.3725, 0.4223

Protanomaly

45.9632, 0.3799, 0.4193

Deuteranomaly

45.9475, 0.3934, 0.4058

Tritanomaly

45.7515, 0.3403, 0.3511

Monochromacy



Original Color

46.0380, 0.3725, 0.4223

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.7994, 0.3349, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0380, 0.3725, 0.4223 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(187, 184, 113)` looks like.

```
.text, #text, p{  
    color:rgb(187, 184, 113)  
}
```

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(187, 184, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 184, 113) }
```

Border

The CSS property to change the border of an element to Yxy 46.0380, 0.3725, 0.4223 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(187, 184, 113) }
```

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

```
.border{ border-color:rgb(187, 184, 113) }
```

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

Here you see how a box with a 4 pixel rgb(187, 184, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 184, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 184, 113);  
box-shadow:4px 4px 4px 4px rgb(187, 184,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0380, 0.3725, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 184, 113) }
```

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

```
.background{ background-color: rgb(187,  
184, 113) }
```

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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