

Converting Colors

$Yxy(45.4119, 0.3767, 0.4357)$

Have a look what the booklet for
Yxy(45.4119, 0.3767, 0.4357)
contains.

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Color

Yxy(45.4506, 0.3772, 0.4356)

Conversions

Conversions Part 1

Format	Color
Hex	B8B867
RGB	184, 184, 103
RGB Percent	72%, 72%, 40%
CMY	0.2784, 0.2784, 0.5960
CMYK	0.00, 0.00, 0.44, 0.28
HSL	60°, 36%, 56%
HSV	60°, 44%, 72%
XYZ	39.3571, 45.4506, 19.5325
YIQ	174.7660, 26.0010, -25.1910

Conversions

Conversions Part 2

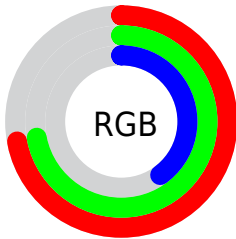
Format	Color
RYB	103, 184, 103
Decimal	12105831
CIELab	73.19, -11.75, 40.98
CIELCh	73, 42.627, 106.005
Yxy	45.4506, 0.3772, 0.4356
Android (android.graphics.Color)	4290295911 (0xFFB8B867)
YUV	174.7660, -35.3806, 8.0982
Hunter-Lab	67.4171, -13.7741, 30.0141

Details

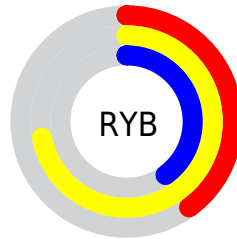
The Yxy color **45.4506, 0.3772, 0.4356** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.0481, 0.2313, 0.1943**, and the grayscale version is **42.9205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4212, 0.3662, 0.4160**, and **21.1568, 0.3916, 0.4652** is the 20% darker color. If you saturate the color by 10%, you get **45.1227, 0.3898, 0.4565**, and if you desaturate by 10%, it is **45.8640, 0.3632, 0.4125**.

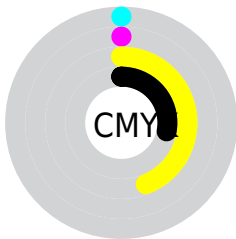
Distribution



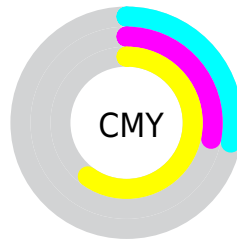
- Red (72%)
- Green (72%)
- Blue (40%)



- Red (40%)
- Yellow (72%)
- Blue (40%)



- Cyan (0%)
- Magenta (0%)
- Yellow (44%)
- Black (28%)




- Cyan (28%)
- Magenta (28%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4506, 0.3772, 0.4356 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 45.4506, 0.3772, 0.4356 by changing the saturation by 10% instead.


 45.4506, 0.3772,
0.4356

 45.4506, 0.3772,
0.4356


368.5954, 0.3467,
0.3819


 31.8125, 0.3839,
0.4487


 83.3962, 0.3667,
0.4163


 21.2183, 0.3917,
0.4650


 108.4724, 0.3626,
0.4089

 13.2837, 0.4008,
0.4858


 138.1302, 0.3590,
0.4027

 7.6242, 0.4105,
0.5125

 172.7539, 0.3559,
0.3974

 3.8554, 0.4336,
0.5664

212.7278, 0.3532,
0.3927

 1.5930, 0.4146,
0.5854

258.4365, 0.3508,

 0.3529, 0.1208,

0.3887

0.8792

310.2642, 0.3486,
0.3851

0.0000, 0.0000,
0.0000

45.4506, 0.3772,
0.4356

45.4506, 0.3772,
0.4356

45.1227, 0.3898,
0.4565

45.8640, 0.3632,
0.4125

44.8685, 0.4006,
0.4742

46.3616, 0.3484,
0.3880

44.6843, 0.4089,
0.4881


46.9498, 0.3334,
0.3632

44.5630, 0.4148,
0.4977

47.6330, 0.3185,
0.3386

44.4962, 0.4181,
0.5032

48.4151, 0.3043,
0.3150

 44.4719, 0.4193,
0.5053

 49.2997, 0.2908,
0.2927

 50.2905, 0.2782,
0.2719

 51.3907, 0.2666,
0.2528

 51.6953, 0.2638,
0.2481

Harmonies

Analogous

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



45.4506, 0.4193, 0.4074



45.4506, 0.3772, 0.4356



45.4506, 0.3201, 0.4322

Triad

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



45.4506, 0.3772, 0.4356



45.4506, 0.2061, 0.2758



45.4506, 0.3573, 0.2767

Complementary

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



45.4506, 0.3772, 0.4356



16.0481, 0.2313, 0.1943

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.



45.4506, 0.2959, 0.2473



45.4506, 0.3772, 0.4356



45.4506, 0.2136, 0.2438

Square

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



45.4506, 0.3772, 0.4356



45.4506, 0.2233, 0.3294



45.4506, 0.2447, 0.2352



45.4506, 0.4094, 0.3179

Rectangle

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



45.4506, 0.3772, 0.4356



45.4506, 0.2815, 0.4081



45.4506, 0.2447, 0.2352



45.4506, 0.3368, 0.2653

Sweetspot

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



45.4527, 0.3772, 0.4356



85.1966, 0.3322, 0.3612



20.9003, 0.4251, 0.3274



18.3123, 0.3355, 0.3666



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.



45.4527, 0.3772, 0.4356



81.7988, 0.3897, 0.4562



41.2695, 0.3408, 0.4502



10.5033, 0.3264, 0.3516



30.6477, 0.4193, 0.5053



1.0804, 0.4193, 0.5053

Inverse Universe

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



16.0481, 0.2313, 0.1943



21.4968, 0.2103, 0.1596



18.9282, 0.2703, 0.2073



8.7195, 0.2984, 0.3054



2.3852, 0.1500, 0.0600



0.0841, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 45.4506, 0.3772, 0.4356 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 45.4506, 0.3772, 0.4356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

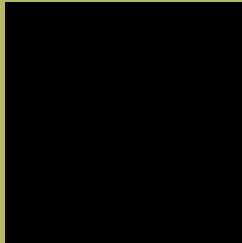
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4506, 0.3772, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 45.4506, 0.3772, 0.4356.



This preview shows how white text looks on a background with the Yxy color 45.4506, 0.3772, 0.4356.

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

45.4506, 0.3772, 0.4356

Protanopia

45.4524, 0.3932, 0.4287

Deuteranopia

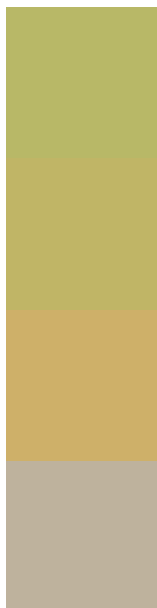
45.0719, 0.4149, 0.4058



Tritanopia

45.2404, 0.3180, 0.3113

Trichromacy



Original Color

45.4506, 0.3772, 0.4356

Protanomaly

45.2135, 0.3871, 0.4305

Deuteranomaly

45.1924, 0.4011, 0.4165

Tritanomaly

45.2223, 0.3410, 0.3566

Monochromacy



Original Color

45.4506, 0.3772, 0.4356

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.4757, 0.3367, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4506, 0.3772, 0.4356 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(184, 184, 103)` looks like.

```
.text, #text, p{  
    color:rgb(184, 184, 103)  
}
```

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(184, 184, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 184, 103) }
```

Border

The CSS property to change the border of an element to Yxy 45.4506, 0.3772, 0.4356 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(184, 184, 103) }
```

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

```
.border{ border-color:rgb(184, 184, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 184, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 184, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 184, 103);  
box-shadow:4px 4px 4px 4px rgb(184, 184,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4506, 0.3772, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 184, 103) }
```

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

```
.background{ background-color: rgb(184,  
184, 103) }
```

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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