

Converting Colors

$Y_{xy}(45.8343, 0.3704, 0.4154)$

Have a look what the booklet for
Yxy(45.8343, 0.3704, 0.4154)
contains.

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Color

Yxy(45.8427, 0.3708, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	BCB775
RGB	188, 183, 117
RGB Percent	74%, 72%, 46%
CMY	0.2628, 0.2823, 0.5411
CMYK	0.00, 0.03, 0.38, 0.26
HSL	56°, 35%, 60%
HSV	56°, 38%, 74%
XYZ	40.8814, 45.8427, 23.5277
YIQ	176.9710, 24.1660, -19.4660

Conversions

Conversions Part 2

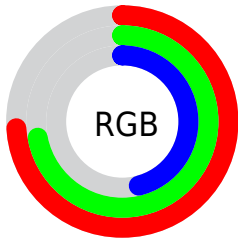
Format	Color
RYB	122, 188, 117
Decimal	12367733
CIELab	73.44, -8.11, 34.20
CIELCh	73, 35.145, 103.334
Yxy	45.8427, 0.3708, 0.4158
Android (android.graphics.Color)	4290557813 (0xFFBCB775)
YUV	176.9710, -29.5657, 9.6724
Hunter-Lab	67.7072, -10.7101, 26.7923

Details

The Yxy color $45.8427, 0.3708, 0.4158$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $21.3304, 0.2456, 0.2242$, and the grayscale version is $44.0998, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.0478, 0.3607, 0.4001$, and $21.3571, 0.3851, 0.4406$ is the 20% darker color. If you saturate the color by 10%, you get $44.9047, 0.3857, 0.4372$, and if you desaturate by 10%, it is $46.8788, 0.3552, 0.3930$.

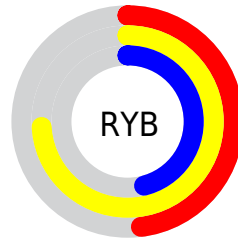
Distribution



Red (74%)

Green (72%)

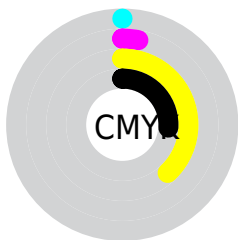
Blue (46%)



Red (48%)

Yellow (74%)

Blue (46%)

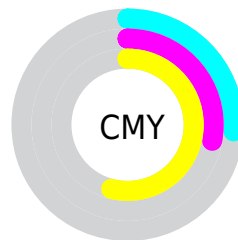


Cyan (0%)

Magenta (3%)

Yellow (38%)

Black (26%)



Cyan (26%)


Magenta (28%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8427, 0.3708, 0.4158 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 45.8427, 0.3708, 0.4158 by changing the saturation by 10% instead.


 45.8427, 0.3708,
0.4158


 45.8427, 0.3708,
0.4158

370.1759, 0.3427,
0.3721


 32.1217, 0.3773,
0.4265


 83.9835, 0.3609,
0.4000

 21.4545, 0.3852,
0.4401


 109.1722, 0.3571,
0.3940

 13.4566, 0.3950,
0.4576


 138.9521, 0.3538,
0.3890

 7.7437, 0.4068,
0.4808

173.7079, 0.3510,
0.3847

 3.9314, 0.4250,
0.5177

213.8237, 0.3485,
0.3809

 1.6353, 0.4381,
0.5619

259.6840, 0.3464,

 0.3812, 0.3014,

0.3776

0.6986

311.6733, 0.3444,
0.3747

0.0000, 0.0000,
0.0000

45.8427, 0.3708,
0.4158

45.8427, 0.3708,
0.4158

44.9047, 0.3857,
0.4372

46.8788, 0.3552,
0.3930

44.0532, 0.3993,
0.4562

48.0115, 0.3395,
0.3696

43.2842, 0.4111,
0.4720

49.2477, 0.3242,
0.3464

42.5912, 0.4204,
0.4837

50.5914, 0.3095,
0.3241

41.9662, 0.4271,
0.4911

52.0468, 0.2957,
0.3028

■ 41.3975, 0.4313,
0.4945

■ 53.6176, 0.2829,
0.2830

■ 41.2729, 0.4321,
0.4951

■ 55.3075, 0.2712,
0.2647

■ 56.2950, 0.2676,
0.2598

■ 56.8826, 0.2677,
0.2613

Harmonies

Analogous

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



45.8427, 0.4032, 0.3926



45.8427, 0.3708, 0.4158



45.8427, 0.3242, 0.4140

Triad

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



45.8427, 0.3708, 0.4158



45.8427, 0.2238, 0.2892



45.8427, 0.3453, 0.2826

Complementary

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



45.8427, 0.3708, 0.4158



21.3304, 0.2456, 0.2242

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.



45.8427, 0.2950, 0.2587



45.8427, 0.3708, 0.4158



45.8427, 0.2282, 0.2600

Square

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



45.8427, 0.3708, 0.4158



45.8427, 0.2407, 0.3346



45.8427, 0.2531, 0.2502



45.8427, 0.3891, 0.3172

Rectangle

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



45.8427, 0.3708, 0.4158



45.8427, 0.2918, 0.3961



45.8427, 0.2531, 0.2502



45.8427, 0.3284, 0.2732

Sweetspot

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



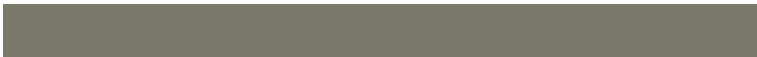
45.8448, 0.3708, 0.4158



88.4802, 0.3294, 0.3543



24.8441, 0.3962, 0.3209



18.9616, 0.3314, 0.3575



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.



45.8448, 0.3708, 0.4158



81.7277, 0.3828, 0.4331



44.5561, 0.3418, 0.4305



11.0029, 0.3266, 0.3501



28.1509, 0.4320, 0.4952



1.1374, 0.4286, 0.4979

Inverse Universe

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



21.3304, 0.2456, 0.2242



31.1561, 0.2291, 0.1977



22.5213, 0.2729, 0.2243



9.3299, 0.2984, 0.3070



2.7134, 0.1515, 0.0652



0.1434, 0.1569, 0.0848

Previews

White Background



This preview shows how the Yxy color 45.8427, 0.3708, 0.4158 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 45.8427, 0.3708, 0.4158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

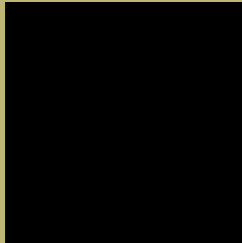
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8427, 0.3708, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 45.8427, 0.3708, 0.4158.



This preview shows how white text looks on a background with the Yxy color 45.8427, 0.3708, 0.4158.

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

45.8427, 0.3708, 0.4158

Protanopia

45.6392, 0.3806, 0.4112

Deuteranopia

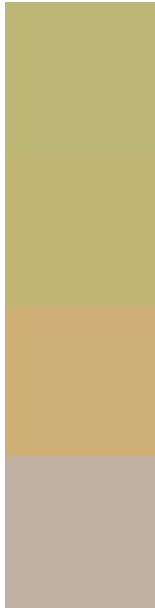
45.4359, 0.4013, 0.3930



Tritanopia

45.6387, 0.3206, 0.3115

Trichromacy



Original Color

45.8427, 0.3708, 0.4158

Protanomaly

45.6462, 0.3773, 0.4133

Deuteranomaly

45.4805, 0.3905, 0.4014

Tritanomaly

45.3904, 0.3397, 0.3485

Monochromacy



Original Color

45.8427, 0.3708, 0.4158

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4305, 0.3342, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8427, 0.3708, 0.4158 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(188, 183, 117)` looks like.

```
.text, #text, p{  
    color:rgb(188, 183, 117)  
}
```

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(188, 183, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 183, 117) }
```

Border

The CSS property to change the border of an element to Yxy 45.8427, 0.3708, 0.4158 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(188, 183, 117) }
```

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

```
.border{ border-color:rgb(188, 183, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 183, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 183, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 183, 117);  
box-shadow:4px 4px 4px 4px rgb(188, 183,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8427, 0.3708, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 183, 117) }
```

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

```
.background{ background-color: rgb(188,  
183, 117) }
```

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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