

Converting Colors

$Y_{xy}(45.1685, 0.3655, 0.4043)$

Have a look what the booklet for
Yxy(45.1685, 0.3655, 0.4043)
contains.

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Color

Yxy(45.1943, 0.3661, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	BCB57C
RGB	188, 181, 124
RGB Percent	74%, 71%, 49%
CMY	0.2627, 0.2902, 0.5138
CMYK	0.00, 0.04, 0.34, 0.26
HSL	53°, 32%, 61%
HSV	53°, 34%, 74%
XYZ	40.9039, 45.1943, 25.6306
YIQ	176.5950, 22.4690, -16.2430

Conversions

Conversions Part 2

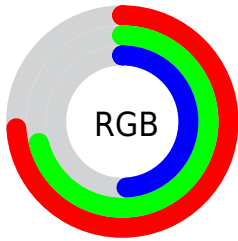
Format	Color
RYB	132, 188, 124
Decimal	12367228
CIELab	73.02, -6.21, 29.99
CIELCh	73, 30.629, 101.697
Yxy	45.1943, 0.3661, 0.4045
Android (android.graphics.Color)	4290557308 (0xFFBCB57C)
YUV	176.5950, -25.9293, 10.0022
Hunter-Lab	67.2267, -9.0389, 24.4540

Details

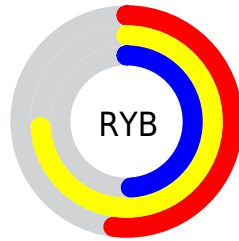
The Yxy color $45.1943, 0.3661, 0.4045$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $24.1499, 0.2536, 0.2401$, and the grayscale version is $43.8742, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.1552, 0.3568, 0.3910$, and $21.0011, 0.3808, 0.4257$ is the 20% darker color. If you saturate the color by 10%, you get $43.9329, 0.3820, 0.4259$, and if you desaturate by 10%, it is $46.5629, 0.3499, 0.3822$.

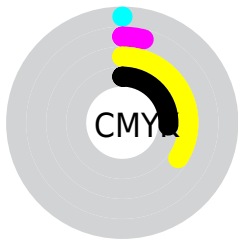
Distribution



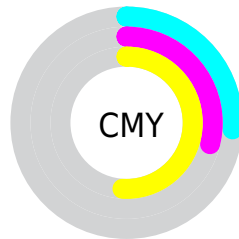
- Red (74%)
- Green (71%)
- Blue (49%)



- Red (52%)
- Yellow (74%)
- Blue (49%)



- Cyan (0%)
- Magenta (4%)
- Yellow (34%)
- Black (26%)





- Cyan (26%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1943, 0.3661, 0.4045 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 45.1943, 0.3661, 0.4045 by changing the saturation by 10% instead.

 45.1943, 0.3661,
0.4045


 45.1943, 0.3661,
0.4045


367.5599, 0.3399,
0.3664

 31.6105, 0.3723,
0.4139


 83.0119, 0.3568,
0.3907

 21.0642, 0.3800,
0.4259


 108.0145, 0.3532,
0.3855

 13.1709, 0.3897,
0.4416


 137.5921, 0.3502,
0.3811

 7.5463, 0.4021,
0.4627

172.1292, 0.3476,
0.3773

 3.8061, 0.4188,
0.4933

212.0101, 0.3453,
0.3740

 1.5657, 0.4493,
0.5507

257.6193, 0.3433,

 0.3343, 0.3320,

0.3712

0.6680

309.3411, 0.3415,
0.3687

0.0000, 0.0000,
0.0000

45.1943, 0.3661,
0.4045

45.1943, 0.3661,
0.4045

43.9329, 0.3820,
0.4259

46.5629, 0.3499,
0.3822

42.7674, 0.3971,
0.4453

48.0373, 0.3340,
0.3597

41.6940, 0.4107,
0.4619


49.6242, 0.3187,
0.3377


40.7063, 0.4222,
0.4748


51.3276, 0.3043,
0.3166


39.7969, 0.4310,
0.4835


53.1516, 0.2909,
0.2968


 38.9569, 0.4372,
0.4877

 55.1000, 0.2786,
0.2784

 38.4799, 0.4400,
0.4888

 57.1376, 0.2678,
0.2620

 58.0706, 0.2680,
0.2644

 59.0163, 0.2682,
0.2668

Harmonies

Analogous

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



45.1943, 0.3932, 0.3841



45.1943, 0.3661, 0.4045



45.1943, 0.3257, 0.4036

Triad

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



45.1943, 0.3661, 0.4045



45.1943, 0.2343, 0.2965



45.1943, 0.3391, 0.2865

Complementary

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



45.1943, 0.3661, 0.4045



24.1499, 0.2536, 0.2401

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.



45.1943, 0.2951, 0.2658



45.1943, 0.3661, 0.4045



45.1943, 0.2372, 0.2693

Square

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



45.1943, 0.3661, 0.4045



45.1943, 0.2506, 0.3366



45.1943, 0.2586, 0.2592



45.1943, 0.3778, 0.3171

Rectangle

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



45.1943, 0.3661, 0.4045



45.1943, 0.2970, 0.3888



45.1943, 0.2586, 0.2592



45.1943, 0.3243, 0.2783

Sweetspot

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



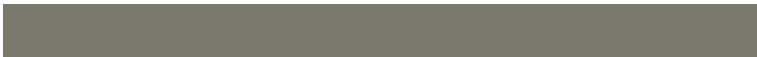
45.1964, 0.3661, 0.4045



88.1340, 0.3279, 0.3510



26.7565, 0.3821, 0.3187



18.8671, 0.3301, 0.3541



95.5105, 0.3127, 0.3290



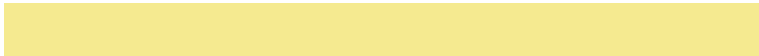
19.5994, 0.3127, 0.3290

Same Dimension

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



45.1964, 0.3661, 0.4045



80.1322, 0.3783, 0.4209



45.2668, 0.3411, 0.4193



10.9370, 0.3267, 0.3492



26.2596, 0.4397, 0.4891



1.0803, 0.4342, 0.4934

Inverse Universe

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



24.1499, 0.2536, 0.2401



36.1371, 0.2384, 0.2163



24.3888, 0.2755, 0.2350



9.3893, 0.2984, 0.3079



2.8835, 0.1525, 0.0688



0.1697, 0.1605, 0.0978

Previews

White Background



This preview shows how the Yxy color 45.1943, 0.3661, 0.4045 looks on a white background.

Color Contrast Check

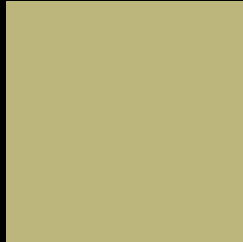
Large Text (above 18pt) WCAG AA × Fail

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 45.1943, 0.3661, 0.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

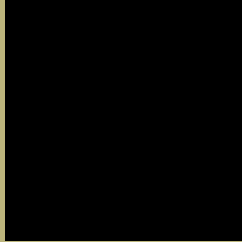
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1943, 0.3661, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 45.1943, 0.3661, 0.4045.



This preview shows how white text looks on a background with the Yxy color 45.1943, 0.3661, 0.4045.

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

45.1943, 0.3661, 0.4045

Protanopia

45.1396, 0.3734, 0.4019

Deuteranopia

45.1575, 0.3923, 0.3855



Tritanopia

45.0771, 0.3207, 0.3114

Trichromacy



Original Color

45.1943, 0.3661, 0.4045

Protanomaly

45.2790, 0.3711, 0.4036

Deuteranomaly

44.9780, 0.3831, 0.3922

Tritanomaly

44.9375, 0.3372, 0.3447

Monochromacy



Original Color

45.1943, 0.3661, 0.4045

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.1332, 0.3319, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1943, 0.3661, 0.4045 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, 181, 124)` looks like.

```
.text, #text, p{  
    color:rgb(188, 181, 124)  
}
```

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, 181, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 181, 124) }
```

Border

The CSS property to change the border of an element to Yxy 45.1943, 0.3661, 0.4045 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, 181, 124) }
```

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

```
.border{ border-color:rgb(188, 181, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 181, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 181, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 181, 124);  
box-shadow:4px 4px 4px 4px rgb(188, 181,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1943, 0.3661, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 181, 124) }
```

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

```
.background{ background-color: rgb(188,  
181, 124) }
```

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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