

Converting Colors

$Yxy(45.0672, 0.3401, 0.3678)$

Have a look what the booklet for
Yxy(45.0672, 0.3401, 0.3678)
contains.

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Color

Yxy(45.0672, 0.3401, 0.3678)

Conversions

Conversions Part 1

Format	Color
Hex	B8B497
RGB	184, 180, 151
RGB Percent	72%, 71%, 59%
CMY	0.2785, 0.2941, 0.4077
CMYK	0.00, 0.02, 0.18, 0.28
HSL	53°, 19%, 66%
HSV	53°, 18%, 72%
XYZ	41.6731, 45.0672, 35.7915
YIQ	177.8900, 11.6930, -8.1710

Conversions

Conversions Part 2

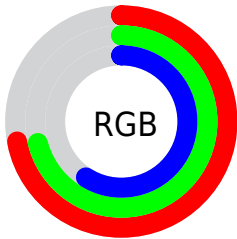
Format	Color
RYB	156, 184, 151
Decimal	12104855
CIELab	72.94, -3.50, 15.31
CIELCh	73, 15.704, 102.871
Yxy	45.0672, 0.3401, 0.3678
Android (android.graphics.Color)	4290294935 (0xFFB8B497)
YUV	177.8900, -13.2568, 5.3585
Hunter-Lab	67.1321, -6.6752, 15.3820

Details

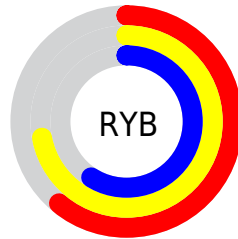
The Yxy color $45.0672, 0.3401, 0.3678$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $33.4859, 0.2840, 0.2870$, and the grayscale version is $44.5272, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.9239, 0.3352, 0.3612$, and $20.9241, 0.3484, 0.3787$ is the 20% darker color. If you saturate the color by 10%, you get $43.6279, 0.3563, 0.3900$, and if you desaturate by 10%, it is $46.6181, 0.3245, 0.3458$.

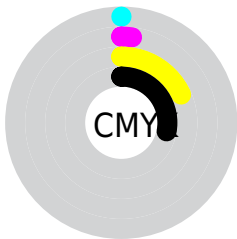
Distribution



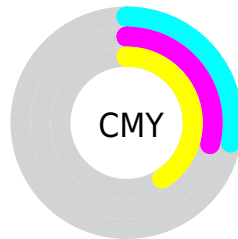
- Red (72%)
- Green (71%)
- Blue (59%)



- Red (61%)
- Yellow (72%)
- Blue (59%)



- Cyan (0%)
- Magenta (2%)
- Yellow (18%)
- Black (28%)



- Cyan (28%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0672, 0.3401, 0.3678 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 45.0672, 0.3401, 0.3678 by changing the saturation by 10% instead.

 45.0672, 0.3401,
0.3678

 45.0672, 0.3401,
0.3678


367.0457, 0.3264,
0.3482

 31.5104, 0.3435,
0.3728


 82.8212, 0.3351,
0.3606

 20.9878, 0.3478,
0.3792


 107.7872, 0.3333,
0.3579

 13.1151, 0.3535,
0.3878


137.3251, 0.3317,
0.3557

 7.5078, 0.3614,
0.3998

171.8191, 0.3303,
0.3537

 3.7817, 0.3728,
0.4179

211.6538, 0.3292,
0.3521

 1.5522, 0.3989,
0.4571

257.2136, 0.3281,

 0.3250, 0.4075,

0.3506

0.5925

308.8827, 0.3272,
0.3493

0.0000, 0.0000,
0.0000

45.0672, 0.3401,
0.3678

45.0672, 0.3401,
0.3678

43.6279, 0.3563,
0.3900

46.6181, 0.3245,
0.3458

42.2899, 0.3726,
0.4119

48.2788, 0.3097,
0.3247

41.0505, 0.3885,
0.4324

50.0551, 0.2960,
0.3046

39.9045, 0.4033,
0.4507

51.9507, 0.2833,
0.2859

38.8462, 0.4165,
0.4659

53.9690, 0.2717,
0.2686

■ 37.8692, 0.4273,
0.4771

■ 55.6931, 0.2649,
0.2590

■ 36.9660, 0.4355,
0.4839

■ 56.6842, 0.2652,
0.2616

■ 36.1249, 0.4412,
0.4867

■ 57.6901, 0.2654,
0.2642

■ 35.9533, 0.4422,
0.4871

■ 58.7109, 0.2657,
0.2668

Harmonies

Analogous

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



45.0672, 0.3538, 0.3591



45.0672, 0.3401, 0.3678



45.0672, 0.3193, 0.3657

Triad

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



45.0672, 0.3401, 0.3678



45.0672, 0.2711, 0.3125



45.0672, 0.3275, 0.3070

Complementary

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



45.0672, 0.3401, 0.3678



33.4859, 0.2840, 0.2870

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.



45.0672, 0.3049, 0.2954



45.0672, 0.3401, 0.3678



45.0672, 0.2730, 0.2979

Square

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



45.0672, 0.3401, 0.3678



45.0672, 0.2798, 0.3327



45.0672, 0.2851, 0.2919



45.0672, 0.3465, 0.3242

Rectangle

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



45.0672, 0.3401, 0.3678



45.0672, 0.3044, 0.3580



45.0672, 0.2851, 0.2919



45.0672, 0.3200, 0.3024

Sweetspot

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



45.0692, 0.3401, 0.3678



85.3554, 0.3202, 0.3398



34.7111, 0.3423, 0.3230



18.3564, 0.3213, 0.3412



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.



45.0692, 0.3401, 0.3678



80.7958, 0.3456, 0.3755



45.2690, 0.3285, 0.3744



10.3134, 0.3267, 0.3489



24.8524, 0.4419, 0.4873



0.9286, 0.4353, 0.4925

Inverse Universe

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



33.4859, 0.2840, 0.2870



56.3649, 0.2779, 0.2779



33.4003, 0.2948, 0.2826



8.8894, 0.2984, 0.3083



2.8430, 0.1528, 0.0702



0.1576, 0.1621, 0.1034

Previews

White Background



This preview shows how the Yxy color 45.0672, 0.3401, 0.3678 looks on a white background.

Color Contrast Check

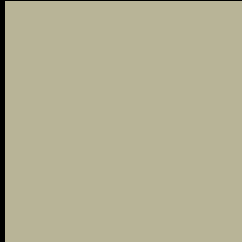
Large Text (above 18pt) WCAG AA × Fail

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 45.0672, 0.3401, 0.3678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

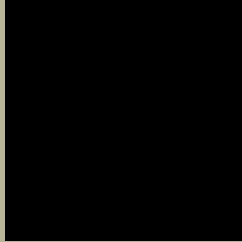
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

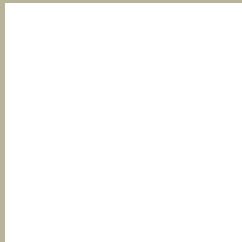
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0672, 0.3401, 0.3678

Background



This preview shows how black text looks on a background with the Yxy color 45.0672, 0.3401, 0.3678.



This preview shows how white text looks on a background with the Yxy color 45.0672, 0.3401, 0.3678.

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

45.0672, 0.3401, 0.3678

Protanopia

45.2610, 0.3458, 0.3673

Deuteranopia

44.9268, 0.3611, 0.3530



Tritanopia

45.1096, 0.3144, 0.3124

Trichromacy



Original Color

45.0672, 0.3401, 0.3678

Protanomaly

45.0070, 0.3440, 0.3676

Deuteranomaly

44.9327, 0.3535, 0.3587

Tritanomaly

45.1042, 0.3232, 0.3316

Monochromacy



Original Color

45.0672, 0.3401, 0.3678

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.7707, 0.3225, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0672, 0.3401, 0.3678 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, 180, 151)` looks like.

```
.text, #text, p{  
    color:rgb(184, 180, 151)  
}
```

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, 180, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 180, 151) }
```

Border

The CSS property to change the border of an element to Yxy 45.0672, 0.3401, 0.3678 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, 180, 151) }
```

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

```
.border{ border-color:rgb(184, 180, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 180, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 180, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 180, 151);  
box-shadow:4px 4px 4px 4px rgb(184, 180,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0672, 0.3401, 0.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 180, 151) }
```

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

```
.background{ background-color: rgb(184,  
180, 151) }
```

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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