

Converting Colors

$Y_{xy}(50.1024, 0.3804, 0.3717)$

Have a look what the booklet for
Yxy(50.1024, 0.3804, 0.3717)
contains.

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Color

Yxy(50.0283, 0.3803, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	DDB490
RGB	221, 180, 144
RGB Percent	87%, 71%, 56%
CMY	0.1334, 0.2941, 0.4352
CMYK	0.00, 0.19, 0.35, 0.13
HSL	28°, 53%, 72%
HSV	28°, 35%, 87%
XYZ	51.1720, 50.0283, 33.3567
YIQ	188.1550, 35.9920, -2.5040

Conversions

Conversions Part 2

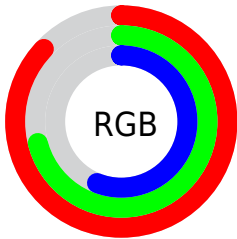
Format	Color
R _Y B	221, 212, 144
Decimal	14529680
CIE Lab	76.09, 9.83, 23.94
CIE LCh	76, 25.885, 67.677
Yxy	50.0283, 0.3803, 0.3718
Android (android.graphics.Color)	4292719760 (0xFFDDB490)
YUV	188.1550, -21.7684, 28.8051
Hunter-Lab	70.7307, 5.3620, 21.5502

Details

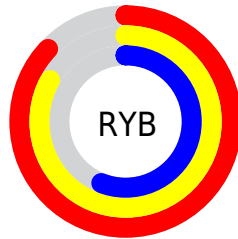
The Yxy color **50.0283, 0.3803, 0.3718** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.8511, 0.2574, 0.2817**, and the grayscale version is **50.4946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3281, 0.3504, 0.3672**, and **23.9684, 0.4000, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **44.8684, 0.4056, 0.3842**, and if you desaturate by 10%, it is **55.7285, 0.3576, 0.3591**.

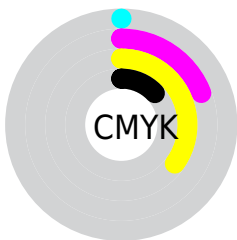
Distribution



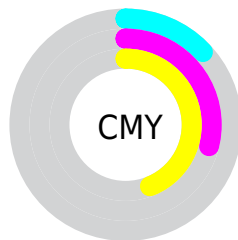
- Red (87%)
- Green (71%)
- Blue (56%)



- Red (87%)
- Yellow (83%)
- Blue (56%)



- Cyan (0%)
- Magenta (19%)
- Yellow (35%)
- Black (13%)





- Cyan (13%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0283, 0.3803, 0.3718 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 50.0283, 0.3803, 0.3718 by changing the saturation by 10% instead.


 50.0283, 0.3803,
0.3718

 50.0283, 0.3803,
0.3718

386.7766, 0.3468,
0.3515

 35.4359, 0.3885,
0.3765


 90.2168, 0.3682,
0.3647

 23.9988, 0.3988,
0.3822


 116.5817, 0.3637,
0.3620

 15.3328, 0.4123,
0.3893


147.6395, 0.3598,
0.3596

 9.0533, 0.4306,
0.3984

183.7747, 0.3565,
0.3576

 4.7759, 0.4562,
0.4097

225.3716, 0.3536,
0.3558

 2.1164, 0.5093,
0.4361

272.8146, 0.3511,

 0.6738, 0.5666,

0.3542

0.4334

326.4881, 0.3488,
0.3528

0.0000, 0.0000,
0.0000

50.0283, 0.3803,
0.3718

50.0283, 0.3803,
0.3718

44.8684, 0.4056,
0.3842

55.7285, 0.3576,
0.3591

40.2240, 0.4331,
0.3953

61.9787, 0.3377,
0.3465

36.0785, 0.4621,
0.4041

68.7971, 0.3203,
0.3345

32.4116, 0.4911,
0.4092

76.1989, 0.3052,
0.3233

29.2007, 0.5181,
0.4094

84.1987, 0.2921,
0.3129

■ 26.4203, 0.5413,
0.4041

■ 91.3386, 0.2922,
0.3245

■ 25.1340, 0.5520,
0.3999

■ 94.1095, 0.2923,
0.3289

Harmonies

Analogous

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



50.0283, 0.3812, 0.3448



50.0283, 0.3803, 0.3718



50.0283, 0.3606, 0.3895

Triad

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



50.0283, 0.3803, 0.3718



50.0283, 0.2646, 0.3402



50.0283, 0.2939, 0.2750

Complementary

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



50.0283, 0.3803, 0.3718



45.8511, 0.2574, 0.2817

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.



50.0283, 0.2649, 0.2716



50.0283, 0.3803, 0.3718



50.0283, 0.2488, 0.3069

Square

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



50.0283, 0.3803, 0.3718



50.0283, 0.2934, 0.3721



50.0283, 0.2490, 0.2824



50.0283, 0.3297, 0.2910

Rectangle

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



50.0283, 0.3803, 0.3718



50.0283, 0.3400, 0.3924



50.0283, 0.2490, 0.2824



50.0283, 0.2831, 0.2724

Sweetspot

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



50.0306, 0.3803, 0.3718



90.1062, 0.3291, 0.3407



38.8312, 0.3512, 0.2809



19.0028, 0.3316, 0.3425



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.0306, 0.3803, 0.3718



63.7717, 0.3991, 0.3812



67.7439, 0.3658, 0.4129



14.0502, 0.3280, 0.3400



14.8257, 0.5495, 0.4019



1.1319, 0.5228, 0.4231

Inverse Universe

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



45.8511, 0.2574, 0.2817



57.1334, 0.2455, 0.2694



31.8936, 0.2503, 0.2286



13.7594, 0.2982, 0.3178



10.7436, 0.1804, 0.1695



0.8680, 0.1882, 0.1976

Previews

White Background



This preview shows how the Yxy color 50.0283, 0.3803, 0.3718 looks on a white background.

Color Contrast Check

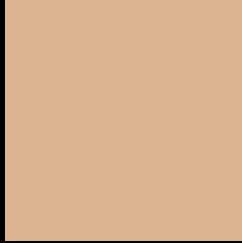
Large Text (above 18pt) WCAG AA × Fail

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 50.0283, 0.3803, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

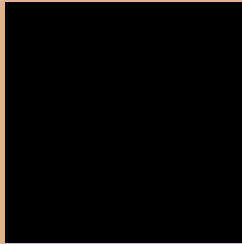
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0283, 0.3803, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 50.0283, 0.3803, 0.3718.



This preview shows how white text looks on a background with the Yxy color 50.0283, 0.3803, 0.3718.

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

50.0283, 0.3803, 0.3718

Protanopia

50.3524, 0.3559, 0.3807

Deuteranopia

50.0283, 0.3803, 0.3718



Tritanopia

50.0287, 0.3483, 0.3142

Trichromacy



Original Color

50.0283, 0.3803, 0.3718

Protanomaly

50.1831, 0.3649, 0.3772

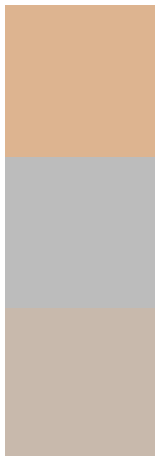
Deuteranomaly

50.0283, 0.3803, 0.3718

Tritanomaly

49.8382, 0.3604, 0.3350

Monochromacy



Original Color

50.0283, 0.3803, 0.3718

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9558, 0.3360, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0283, 0.3803, 0.3718 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(221, 180, 144)` looks like.

```
.text, #text, p{  
    color:rgb(221, 180, 144)  
}
```

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(221, 180, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 180, 144) }
```

Border

The CSS property to change the border of an element to Yxy 50.0283, 0.3803, 0.3718 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(221, 180, 144) }
```

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

```
.border{ border-color:rgb(221, 180, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 180, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 180, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 180, 144);  
box-shadow:4px 4px 4px 4px rgb(221, 180,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0283, 0.3803, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 180, 144) }
```

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

```
.background{ background-color: rgb(221,  
180, 144) }
```

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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