

Converting Colors

$Y_{xy}(53.1285, 0.4005, 0.4118)$

Have a look what the booklet for
Yxy(53.1285, 0.4005, 0.4118)
contains.

Yxy(53.3675, 0.4000, 0.4118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.3675, 0.4000, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	DFBD75
RGB	223, 189, 117
RGB Percent	87%, 74%, 46%
CMY	0.1255, 0.2588, 0.5413
CMYK	0.00, 0.15, 0.48, 0.13
HSL	41°, 62%, 67%
HSV	41°, 48%, 87%
XYZ	51.8383, 53.3675, 24.3899
YIQ	190.9580, 43.3760, -15.1840

Conversions

Conversions Part 2

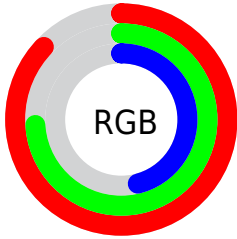
Format	Color
RYB	167, 223, 117
Decimal	14663029
CIELab	78.09, 2.95, 40.76
CIElCh	78, 40.869, 85.864
Yxy	53.3675, 0.4000, 0.4118
Android (android.graphics.Color)	4292853109 (0xFFDFBD75)
YUV	190.9580, -36.4613, 28.1008
Hunter-Lab	73.0531, -1.1797, 31.3423

Details

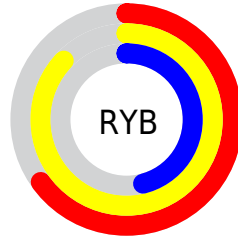
The Yxy color **53.3675, 0.4000, 0.4118** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **31.2297, 0.2313, 0.2278**, and the grayscale version is **52.2713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4671, 0.3661, 0.4037**, and **26.1206, 0.4210, 0.4305** is the 20% darker color. If you saturate the color by 10%, you get **49.9061, 0.4208, 0.4270**, and if you desaturate by 10%, it is **57.1105, 0.3794, 0.3948**.

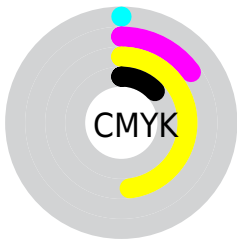
Distribution



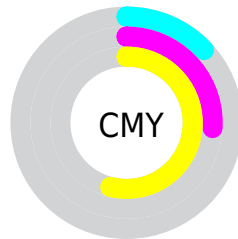
- Red (87%)
- Green (74%)
- Blue (46%)



- Red (65%)
- Yellow (87%)
- Blue (46%)



- Cyan (0%)
- Magenta (15%)
- Yellow (48%)
- Black (13%)





- Cyan (13%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3675, 0.4000, 0.4118 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 53.3675, 0.4000, 0.4118 by changing the saturation by 10% instead.


 53.3675, 0.4000,
0.4118

 53.3675, 0.4000,
0.4118

399.6935, 0.3584,
0.3729


 38.0962, 0.4095,
0.4205


 95.1449, 0.3855,
0.3984

 26.0574, 0.4210,
0.4309


 122.4199, 0.3799,
0.3931

 16.8666, 0.4351,
0.4435


 154.4648, 0.3750,
0.3886

 10.1394, 0.4525,
0.4585

191.6642, 0.3708,
0.3846

 5.4915, 0.4756,
0.4778

234.4023, 0.3671,
0.3811

 2.5384, 0.5022,
0.4978

283.0636, 0.3638,

 0.8958, 0.5083,

0.3781

0.4917

338.0326, 0.3609,
0.3753

0.0000, 0.0000,
0.0000

53.3675, 0.4000,
0.4118

53.3675, 0.4000,
0.4118

49.9061, 0.4208,
0.4270

57.1105, 0.3794,
0.3948

46.7075, 0.4409,
0.4393

61.1378, 0.3597,
0.3769

43.7618, 0.4594,
0.4475


65.4615, 0.3413,
0.3590


41.0549, 0.4753,
0.4508

70.0903, 0.3244,
0.3416

38.5680, 0.4880,
0.4492

75.0328, 0.3091,
0.3250

 37.9843, 0.4909,
0.4484

 80.2970, 0.2954,
0.3095

 84.6712, 0.2931,
0.3127

 88.9417, 0.2932,
0.3200

 93.3797, 0.2934,
0.3273

Harmonies

Analogous

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



53.3675, 0.4213, 0.3758



53.3675, 0.4000, 0.4118



53.3675, 0.3558, 0.4284

Triad

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



53.3675, 0.4000, 0.4118



53.3675, 0.2231, 0.3122



53.3675, 0.3158, 0.2613

Complementary

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



53.3675, 0.4000, 0.4118



31.2297, 0.2313, 0.2278

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.



53.3675, 0.2643, 0.2444



53.3675, 0.4000, 0.4118



53.3675, 0.2146, 0.2688

Square

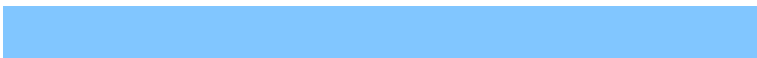
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.3675, 0.4000, 0.4118



53.3675, 0.2541, 0.3673



53.3675, 0.2289, 0.2461



53.3675, 0.3708, 0.2927

Rectangle

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



53.3675, 0.4000, 0.4118



53.3675, 0.3203, 0.4221



53.3675, 0.2289, 0.2461



53.3675, 0.2974, 0.2538

Sweetspot

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



53.3700, 0.4000, 0.4118



90.8241, 0.3353, 0.3530



30.6817, 0.3982, 0.2876



19.1534, 0.3391, 0.3568



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.



53.3700, 0.4000, 0.4118



67.6861, 0.4205, 0.4268



67.0840, 0.3686, 0.4508



15.2498, 0.3275, 0.3449



22.5472, 0.4895, 0.4495



1.7225, 0.4761, 0.4602

Inverse Universe

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



31.2297, 0.2313, 0.2278



34.3729, 0.2138, 0.2021



23.1658, 0.2360, 0.1846



13.9571, 0.2981, 0.3126



6.0007, 0.1626, 0.1053



0.5740, 0.1712, 0.1362

Previews

White Background



This preview shows how the Yxy color 53.3675, 0.4000, 0.4118 looks on a white background.

Color Contrast Check

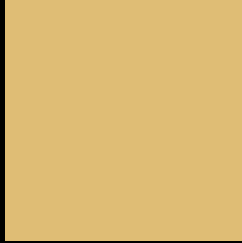
Large Text (above 18pt) WCAG AA × Fail

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 53.3675, 0.4000, 0.4118 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 53.3675, 0.4000, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 53.3675, 0.4000, 0.4118.



This preview shows how white text looks on a background with the Yxy color 53.3675, 0.4000, 0.4118.

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

53.3675, 0.4000, 0.4118

Protanopia

53.3207, 0.3857, 0.4174

Deuteranopia

53.4984, 0.4113, 0.4033



Tritanopia

53.3606, 0.3446, 0.3133

Trichromacy



Original Color

53.3675, 0.4000, 0.4118

Protanomaly

53.4544, 0.3905, 0.4163

Deuteranomaly

53.2488, 0.4071, 0.4055

Tritanomaly

52.9510, 0.3655, 0.3488

Monochromacy



Original Color

53.3675, 0.4000, 0.4118

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.2038, 0.3442, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3675, 0.4000, 0.4118 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(223, 189, 117)` looks like.

```
.text, #text, p{  
    color:rgb(223, 189, 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(223, 189, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 189, 117) }
```

Border

The CSS property to change the border of an element to Yxy 53.3675, 0.4000, 0.4118 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(223, 189, 117) }
```

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

```
.border{ border-color:rgb(223, 189, 117) }
```

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

Here you see how a box with a 4 pixel rgb(223, 189, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 189, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 189, 117);  
box-shadow:4px 4px 4px 4px rgb(223, 189,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3675, 0.4000, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 189, 117) }
```

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

```
.background{ background-color: rgb(223,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor