

Converting Colors

$Y_{xy}(52.7375, 0.4142, 0.4177)$

Have a look what the booklet for
Yxy(52.7375, 0.4142, 0.4177)
contains.

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Color

Yxy(52.6733, 0.4137, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	E4BA6B
RGB	228, 186, 107
RGB Percent	89%, 73%, 42%
CMY	0.1059, 0.2706, 0.5805
CMYK	0.00, 0.18, 0.53, 0.11
HSL	39°, 69%, 66%
HSV	39°, 53%, 89%
XYZ	52.2064, 52.6733, 21.3141
YIQ	189.5520, 50.3910, -15.6650

Conversions

Conversions Part 2

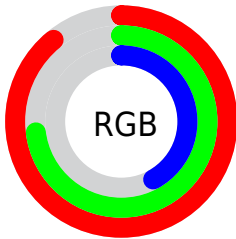
Format	Color
RYB	171, 228, 107
Decimal	14989931
CIELab	77.68, 5.68, 45.39
CIELCh	78, 45.747, 82.869
Yxy	52.6733, 0.4137, 0.4174
Android (android.graphics.Color)	4293180011 (0xFFE4BA6B)
YUV	189.5520, -40.6981, 33.7189
Hunter-Lab	72.5764, 1.3918, 33.3913

Details

The Yxy color **52.6733, 0.4137, 0.4174** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.2059, 0.2222, 0.2179**, and the grayscale version is **51.4376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3023, 0.3732, 0.4107**, and **25.6165, 0.4373, 0.4358** is the 20% darker color. If you saturate the color by 10%, you get **49.0162, 0.4352, 0.4306**, and if you desaturate by 10%, it is **56.6465, 0.3921, 0.4018**.

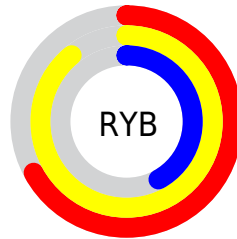
Distribution



Red (89%)

Green (73%)

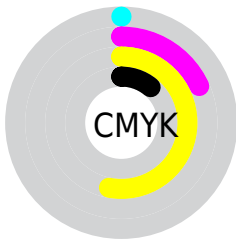
Blue (42%)



Red (67%)

Yellow (89%)

Blue (42%)

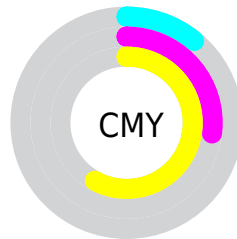


Cyan (0%)

Magenta (18%)

Yellow (53%)

Black (11%)



Cyan (11%)


Magenta (27%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6733, 0.4137, 0.4174 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 52.6733, 0.4137, 0.4174 by changing the saturation by 10% instead.


 52.6733, 0.4137,
0.4174


 52.6733, 0.4137,
0.4174


397.0304, 0.3657,
0.3766


 37.5420, 0.4245,
0.4261


 94.1235, 0.3971,
0.4036

 25.6274, 0.4374,
0.4364


 121.2111, 0.3906,
0.3981

 16.5451, 0.4531,
0.4483


 153.0531, 0.3850,
0.3933

 9.9107, 0.4719,
0.4616

 190.0337, 0.3801,
0.3891

 5.3398, 0.5021,
0.4832

232.5373, 0.3758,
0.3854

 2.4480, 0.5161,
0.4839

280.9484, 0.3720,

 0.8504, 0.5280,

0.3821

0.4720

335.6513, 0.3687,
0.3792

0.0000, 0.0000,
0.0000

52.6733, 0.4137,
0.4174

52.6733, 0.4137,
0.4174

49.0162, 0.4352,
0.4306

56.6465, 0.3921,
0.4018

45.6544, 0.4557,
0.4403

60.9401, 0.3713,
0.3849

42.5758, 0.4740,
0.4453

65.5678, 0.3517,
0.3675

39.7630, 0.4893,
0.4452

70.5399, 0.3337,
0.3504

37.9566, 0.4982,
0.4426

75.8661, 0.3174,
0.3339

■ 81.5556, 0.3028,
0.3184

■ 86.8502, 0.2962,
0.3152

■ 91.6454, 0.2963,
0.3232

■ 95.2342, 0.2964,
0.3290

Harmonies

Analogous

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



52.6733, 0.4350, 0.3753



52.6733, 0.4137, 0.4174



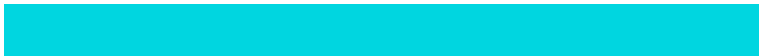
52.6733, 0.3658, 0.4406

Triad

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



52.6733, 0.4137, 0.4174



52.6733, 0.2152, 0.3152



52.6733, 0.3095, 0.2512

Complementary

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



52.6733, 0.4137, 0.4174



30.2059, 0.2222, 0.2179

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.



52.6733, 0.2536, 0.2345



52.6733, 0.4137, 0.4174



52.6733, 0.2036, 0.2650

Square

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



52.6733, 0.4137, 0.4174



52.6733, 0.2515, 0.3784



52.6733, 0.2169, 0.2381



52.6733, 0.3721, 0.2844

Rectangle

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



52.6733, 0.4137, 0.4174



52.6733, 0.3264, 0.4369



52.6733, 0.2169, 0.2381



52.6733, 0.2893, 0.2436

Sweetspot

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



52.6758, 0.4137, 0.4174



88.9439, 0.3390, 0.3555



29.1820, 0.4112, 0.2810



18.7517, 0.3427, 0.3590



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.



52.6758, 0.4137, 0.4174



62.5906, 0.4380, 0.4321



70.2273, 0.3755, 0.4632



15.9312, 0.3276, 0.3443



22.1469, 0.4967, 0.4438



1.8086, 0.4825, 0.4551

Inverse Universe

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



30.2059, 0.2222, 0.2179



30.7973, 0.2034, 0.1893



20.4778, 0.2235, 0.1650



14.7008, 0.2981, 0.3132



6.6721, 0.1644, 0.1119



0.6618, 0.1726, 0.1412

Previews

White Background



This preview shows how the Yxy color 52.6733, 0.4137, 0.4174 looks on a white background.

Color Contrast Check

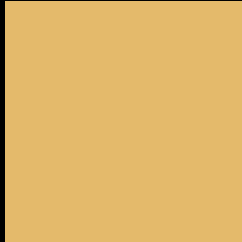
Large Text (above 18pt) WCAG AA × Fail

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 52.6733, 0.4137, 0.4174 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 52.6733, 0.4137, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 52.6733, 0.4137, 0.4174.



This preview shows how white text looks on a background with the Yxy color 52.6733, 0.4137, 0.4174.

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

52.6733, 0.4137, 0.4174

Protanopia

52.6523, 0.3934, 0.4274

Deuteranopia

52.6118, 0.4211, 0.4110



Tritanopia

52.4305, 0.3533, 0.3135

Trichromacy



Original Color

52.6733, 0.4137, 0.4174

Protanomaly

52.6613, 0.4007, 0.4243

Deuteranomaly

52.5195, 0.4178, 0.4130

Tritanomaly

52.3364, 0.3762, 0.3520

Monochromacy



Original Color

52.6733, 0.4137, 0.4174

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.7706, 0.3485, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6733, 0.4137, 0.4174 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(228, 186, 107)` looks like.

```
.text, #text, p{  
    color:rgb(228, 186, 107)  
}
```

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(228, 186, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 186, 107) }
```

Border

The CSS property to change the border of an element to Yxy 52.6733, 0.4137, 0.4174 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(228, 186, 107) }
```

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

```
.border{ border-color:rgb(228, 186, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 186, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 186, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 186, 107);  
box-shadow:4px 4px 4px 4px rgb(228, 186,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6733, 0.4137, 0.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 186, 107) }
```

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

```
.background{ background-color: rgb(228,  
186, 107) }
```

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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