

Converting Colors

$Y_{xy}(48.9175, 0.4095, 0.3736)$

Have a look what the booklet for
Yxy(48.9175, 0.4095, 0.3736)
contains.

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Color

Yxy(48.7963, 0.4100, 0.3729)

Conversions

Conversions Part 1

Format	Color
Hex	EDAB84
RGB	237, 171, 132
RGB Percent	93%, 67%, 52%
CMY	0.0706, 0.3294, 0.4825
CMYK	0.00, 0.28, 0.44, 0.07
HSL	22°, 74%, 72%
HSV	22°, 44%, 93%
XYZ	53.6511, 48.7963, 28.4089
YIQ	186.2880, 51.8550, 1.8630

Conversions

Conversions Part 2

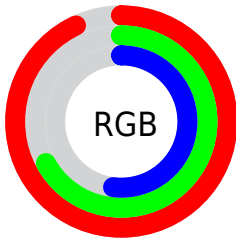
Format	Color
RYB	237, 194, 132
Decimal	15575940
CIELab	75.32, 19.58, 29.66
CIELCh	75, 35.538, 56.564
Yxy	48.7963, 0.4100, 0.3729
Android (android.graphics.Color)	4293766020 (0xFFEDAB84)
YUV	186.2880, -26.7640, 44.4744
Hunter-Lab	69.8543, 14.8504, 24.7855

Details

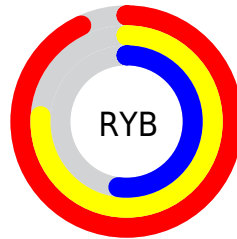
The Yxy color **48.7963, 0.4100, 0.3729** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **51.3873, 0.2444, 0.2792**, and the grayscale version is **49.4040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7010, 0.3614, 0.3718**, and **23.3866, 0.4365, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **42.9095, 0.4409, 0.3818**, and if you desaturate by 10%, it is **55.4690, 0.3823, 0.3629**.

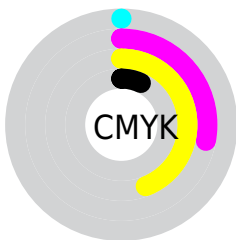
Distribution



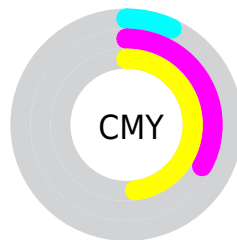
- Red (93%)
- Green (67%)
- Blue (52%)



- Red (93%)
- Yellow (76%)
- Blue (52%)



- Cyan (0%)
- Magenta (28%)
- Yellow (44%)
- Black (7%)




- Cyan (7%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7963, 0.4100, 0.3729 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 48.7963, 0.4100, 0.3729 by changing the saturation by 10% instead.


 48.7963, 0.4100,
0.3729


 48.7963, 0.4100,
0.3729

381.9398, 0.3616,
0.3532


 34.4579, 0.4218,
0.3770


 88.3888, 0.3926,
0.3663

 23.2456, 0.4367,
0.3817


 114.4118, 0.3860,
0.3637

 14.7750, 0.4559,
0.3871


 145.0984, 0.3804,
0.3614

 8.6616, 0.4815,
0.3928

180.8330, 0.3756,
0.3594

 4.5211, 0.5165,
0.3974

222.0001, 0.3714,
0.3576

 1.9691, 0.5880,
0.4120

268.9840, 0.3677,

 0.5894, 0.6413,

0.3559

0.3587

322.1691, 0.3645,
0.3545

■ 0.0000, 0.0000,
0.0000

■ 48.7963, 0.4100,
0.3729

■ 48.7963, 0.4100,
0.3729

■ 42.9095, 0.4409,
0.3818

■ 55.4690, 0.3823,
0.3629

■ 37.7703, 0.4741,
0.3884

■ 62.9496, 0.3582,
0.3526

■ 33.3479, 0.5080,
0.3916

■ 71.2679, 0.3373,
0.3425

■ 29.6055, 0.5400,
0.3900

■ 80.4501, 0.3196,
0.3329

■ 26.5021, 0.5671,
0.3831

■ 90.5210, 0.3044,
0.3240

■ 24.9991, 0.5802,
0.3775

■ 96.7445, 0.3017,
0.3290

Harmonies

Analogous

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



48.7963, 0.4011, 0.3343



48.7963, 0.4100, 0.3729



48.7963, 0.3907, 0.4045

Triad

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



48.7963, 0.4100, 0.3729



48.7963, 0.2593, 0.3622



48.7963, 0.2702, 0.2525

Complementary

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



48.7963, 0.4100, 0.3729



51.3873, 0.2444, 0.2792

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.



48.7963, 0.2375, 0.2539



48.7963, 0.4100, 0.3729



48.7963, 0.2314, 0.3134

Square

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



48.7963, 0.4100, 0.3729



48.7963, 0.3027, 0.4028



48.7963, 0.2239, 0.2745



48.7963, 0.3169, 0.2681

Rectangle

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



48.7963, 0.4100, 0.3729



48.7963, 0.3658, 0.4162



48.7963, 0.2239, 0.2745



48.7963, 0.2574, 0.2509

Sweetspot

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



48.7987, 0.4100, 0.3729



85.4694, 0.3349, 0.3413



38.5983, 0.3553, 0.2567



17.8034, 0.3392, 0.3435



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.



48.7987, 0.4100, 0.3729



51.3937, 0.4373, 0.3809



72.4427, 0.3845, 0.4255



15.9712, 0.3284, 0.3378



13.8794, 0.5773, 0.3798



1.2688, 0.5512, 0.4006

Inverse Universe

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



51.3873, 0.2444, 0.2792



54.7527, 0.2320, 0.2671



31.5668, 0.2323, 0.2090



16.1262, 0.2981, 0.3200



15.3175, 0.1896, 0.2026



1.3860, 0.1950, 0.2221

Previews

White Background



This preview shows how the Yxy color 48.7963, 0.4100, 0.3729 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 48.7963, 0.4100, 0.3729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

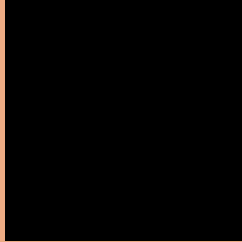
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7963, 0.4100, 0.3729

Background



This preview shows how black text looks on a background with the Yxy color 48.7963, 0.4100, 0.3729.



This preview shows how white text looks on a background with the Yxy color 48.7963, 0.4100, 0.3729.

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

48.7963, 0.4100, 0.3729

Protanopia

49.0949, 0.3630, 0.3899

Deuteranopia

48.8516, 0.3925, 0.3848



Tritanopia

48.7854, 0.3734, 0.3159

Trichromacy



Original Color

48.7963, 0.4100, 0.3729

Protanomaly

48.9715, 0.3795, 0.3839

Deuteranomaly

48.6295, 0.3996, 0.3802

Tritanomaly

48.7359, 0.3873, 0.3359

Monochromacy



Original Color

48.7963, 0.4100, 0.3729

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.7801, 0.3463, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7963, 0.4100, 0.3729 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(237, 171, 132)` looks like.

```
.text, #text, p{  
    color:rgb(237, 171, 132)  
}
```

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(237, 171, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 171, 132) }
```

Border

The CSS property to change the border of an element to Yxy 48.7963, 0.4100, 0.3729 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(237, 171, 132) }
```

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

```
.border{ border-color:rgb(237, 171, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 171, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 171, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 171, 132);  
box-shadow:4px 4px 4px 4px rgb(237, 171,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7963, 0.4100, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 171, 132) }
```

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

```
.background{ background-color: rgb(237,  
171, 132) }
```

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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