

Converting Colors

$Y_{xy}(47.0009, 0.4324, 0.4235)$

Have a look what the booklet for
Yxy(47.0009, 0.4324, 0.4235)
contains.

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Color

Yxy(47.0009, 0.4324, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	E1AE59
RGB	225, 174, 89
RGB Percent	88%, 68%, 35%
CMY	0.1177, 0.3176, 0.6510
CMYK	0.00, 0.23, 0.60, 0.12
HSL	38°, 69%, 62%
HSV	38°, 60%, 88%
XYZ	47.9886, 47.0009, 15.9925
YIQ	179.5590, 57.6810, -15.6230

Conversions

Conversions Part 2

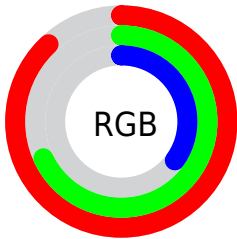
Format	Color
RYB	171, 225, 89
Decimal	14790233
CIELab	74.19, 9.39, 49.98
CIELCh	74, 50.852, 79.360
Yxy	47.0009, 0.4324, 0.4235
Android (android.graphics.Color)	4292980313 (0xFFE1AE59)
YUV	179.5590, -44.6456, 39.8518
Hunter-Lab	68.5572, 4.9712, 34.1593

Details

The Yxy color **47.0009, 0.4324, 0.4235** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.3094, 0.2111, 0.2051**, and the grayscale version is **45.6144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2217, 0.3901, 0.4172**, and **22.1660, 0.4598, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **43.5236, 0.4544, 0.4337**, and if you desaturate by 10%, it is **50.8029, 0.4098, 0.4101**.

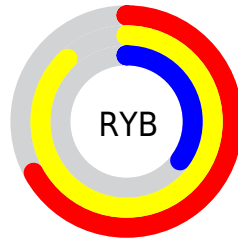
Distribution



Red (88%)

Green (68%)

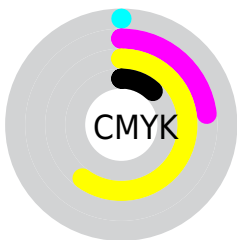
Blue (35%)



Red (67%)

Yellow (88%)

Blue (35%)

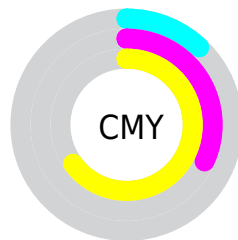


Cyan (0%)

Magenta (23%)

Yellow (60%)

Black (12%)



Cyan (12%)

Magenta (32%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0009, 0.4324, 0.4235 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 47.0009, 0.4324, 0.4235 by changing the saturation by 10% instead.


 47.0009, 0.4324,
0.4235

 47.0009, 0.4324,
0.4235


374.8181, 0.3748,
0.3804


 33.0364, 0.4452,
0.4322


 85.7150, 0.4125,
0.4092


 22.1543, 0.4605,
0.4421


 111.2333, 0.4047,
0.4034

 13.9703, 0.4787,
0.4527


 141.3717, 0.3979,
0.3983

 8.1000, 0.5005,
0.4636

 176.5145, 0.3921,
0.3939

 4.1590, 0.5269,
0.4731

217.0461, 0.3870,
0.3899

 1.7629, 0.5395,
0.4605

263.3510, 0.3824,

 0.4639, 0.5909,

0.3864

0.4091

315.8136, 0.3784,
0.3832

0.0000, 0.0000,
0.0000

47.0009, 0.4324,
0.4235

47.0009, 0.4324,
0.4235

43.5236, 0.4544,
0.4337

50.8029, 0.4098,
0.4101

40.3495, 0.4747,
0.4395

54.9360, 0.3876,
0.3946

37.4641, 0.4922,
0.4402

59.4144, 0.3665,
0.3782

34.9519, 0.5060,
0.4364

64.2495, 0.3471,
0.3615

69.4517, 0.3293,
0.3452

■ 75.0311, 0.3134,
0.3297

■ 80.9973, 0.2992,
0.3151

■ 86.4251, 0.2943,
0.3152

■ 91.5482, 0.2945,
0.3238

Harmonies

Analogous

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



47.0009, 0.4537, 0.3735



47.0009, 0.4324, 0.4235



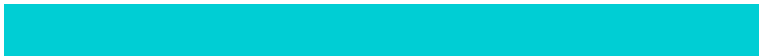
47.0009, 0.3796, 0.4562

Triad

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



47.0009, 0.4324, 0.4235



47.0009, 0.2050, 0.3202



47.0009, 0.3002, 0.2378

Complementary

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



47.0009, 0.4324, 0.4235



26.3094, 0.2111, 0.2051

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.



47.0009, 0.2389, 0.2213



47.0009, 0.4324, 0.4235



47.0009, 0.1893, 0.2601

Square

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



47.0009, 0.4324, 0.4235



47.0009, 0.2484, 0.3949



47.0009, 0.2009, 0.2275



47.0009, 0.3728, 0.2729

Rectangle

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



47.0009, 0.4324, 0.4235



47.0009, 0.3351, 0.4572



47.0009, 0.2009, 0.2275



47.0009, 0.2776, 0.2300

Sweetspot

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



47.0032, 0.4324, 0.4235



86.8969, 0.3428, 0.3577



25.0772, 0.4262, 0.2710



18.1790, 0.3482, 0.3625



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.



47.0032, 0.4324, 0.4235



56.4759, 0.4609, 0.4360



68.1411, 0.3853, 0.4769



15.1209, 0.3276, 0.3436



20.3738, 0.5043, 0.4378



1.5825, 0.4878, 0.4509

Inverse Universe

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



26.3094, 0.2111, 0.2051



26.8393, 0.1918, 0.1735



15.5748, 0.2059, 0.1396



14.0810, 0.2981, 0.3139



7.0245, 0.1666, 0.1197



0.6551, 0.1752, 0.1506

Previews

White Background



This preview shows how the Yxy color 47.0009, 0.4324, 0.4235 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 47.0009, 0.4324, 0.4235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

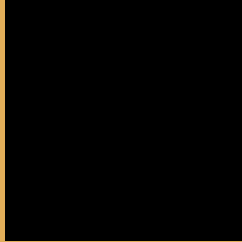
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0009, 0.4324, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 47.0009, 0.4324, 0.4235.



This preview shows how white text looks on a background with the Yxy color 47.0009, 0.4324, 0.4235.

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

47.0009, 0.4324, 0.4235

Protanopia

47.1962, 0.4025, 0.4395

Deuteranopia

47.0009, 0.4324, 0.4235



Tritanopia

46.8810, 0.3654, 0.3143

Trichromacy



Original Color

47.0009, 0.4324, 0.4235

Protanomaly

47.0995, 0.4127, 0.4340

Deuteranomaly

47.0009, 0.4324, 0.4235

Tritanomaly

46.7076, 0.3919, 0.3559

Monochromacy



Original Color

47.0009, 0.4324, 0.4235

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6831, 0.3552, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0009, 0.4324, 0.4235 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(225, 174, 89)` looks like.

```
.text, #text, p{  
    color:rgb(225, 174, 89)  
}
```

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(225, 174, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 174, 89) }
```

Border

The CSS property to change the border of an element to Yxy 47.0009, 0.4324, 0.4235 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(225, 174, 89) }
```

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

```
.border{ border-color:rgb(225, 174, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 174, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 174, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 174, 89);  
box-shadow:4px 4px 4px 4px rgb(225, 174,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0009, 0.4324, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 174, 89) }
```

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

```
.background{ background-color: rgb(225,  
174, 89) }
```

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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