

Converting Colors

$Y_{xy}(12.9787, 0.4007, 0.3667)$

Have a look what the booklet for
Yxy(12.9787, 0.4007, 0.3667)
contains.

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Color

Yxy(12.9902, 0.4009, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	815D4A
RGB	129, 93, 74
RGB Percent	51%, 36%, 29%
CMY	0.4941, 0.6353, 0.7098
CMYK	0.00, 0.28, 0.43, 0.49
HSL	21°, 27%, 40%
HSV	21°, 43%, 51%
XYZ	14.2056, 12.9902, 8.2385
YIQ	101.5980, 27.5550, 1.7230

Conversions

Conversions Part 2

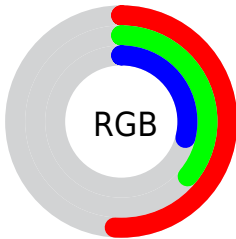
Format	Color
R_{YB}	129, 103, 74
Decimal	8478026
CIE _{Lab}	42.75, 12.12, 16.70
CIE _{LCh}	43, 20.633, 54.032
Yxy	12.9902, 0.4009, 0.3666
Android (android.graphics.Color)	4286668106 (0xFF815D4A)
YUV	101.5980, -13.6058, 24.0316
Hunter-Lab	36.0419, 7.2808, 11.6768

Details

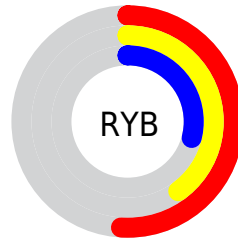
The Yxy color **12.9902, 0.4009, 0.3666** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.1995, 0.2502, 0.2873**, and the grayscale version is **13.2081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1423, 0.3781, 0.3576**, and **3.7465, 0.4456, 0.3800** is the 20% darker color. If you saturate the color by 10%, you get **11.4324, 0.4301, 0.3749**, and if you desaturate by 10%, it is **14.7488, 0.3750, 0.3576**.

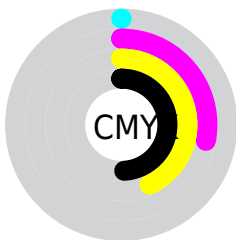
Distribution



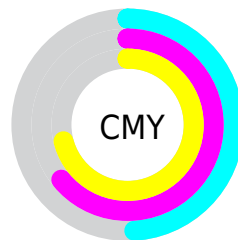
- Red (51%)
- Green (36%)
- Blue (29%)



- Red (51%)
- Yellow (40%)
- Blue (29%)



- Cyan (0%)
- Magenta (28%)
- Yellow (43%)
- Black (49%)




- Cyan (49%)
- Magenta (64%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9902, 0.4009, 0.3666 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 12.9902, 0.4009, 0.3666 by changing the saturation by 10% instead.


 12.9902, 0.4009,
0.3666


 12.9902, 0.4009,
0.3666


210.8549, 0.3473,
0.3454


 7.4218, 0.4189,
0.3725


 31.2862, 0.3784,
0.3584


 3.7273, 0.4455,
0.3799

 44.7825, 0.3710,
0.3554

 1.5222, 0.5030,
0.4000

 61.6903, 0.3650,
0.3530

 0.3043, 0.6579,
0.3421

 82.3940, 0.3601,
0.3510

 0.0000, 0.0000,
0.0000

 107.2779, 0.3561,
0.3493

136.7264, 0.3527,

0.3478

171.1239, 0.3498,
0.3465

■ 12.9902, 0.4009,
0.3666

■ 12.9902, 0.4009,
0.3666

■ 11.4324, 0.4301,
0.3749

■ 14.7488, 0.3750,
0.3576

■ 10.0660, 0.4621,
0.3817

■ 16.7134, 0.3525,
0.3484

■ 8.8837, 0.4956,
0.3859

■ 18.8913, 0.3332,
0.3395

■ 7.8767, 0.5287,
0.3864

■ 21.2889, 0.3167,
0.3311

■ 7.0355, 0.5586,
0.3823

■ 23.9124, 0.3025,
0.3233

■ 6.5098, 0.5795,
0.3781

■ 26.7675, 0.2905,
0.3160

■ 29.8599, 0.2801,
0.3094

■ 33.1951, 0.2713,
0.3033

■ 36.7782, 0.2636,
0.2978

Harmonies

Analogous

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



12.9902, 0.3905, 0.3313



12.9902, 0.4009, 0.3666



12.9902, 0.3858, 0.3957

Triad

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



12.9902, 0.4009, 0.3666



12.9902, 0.2674, 0.3625



12.9902, 0.2712, 0.2587

Complementary

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



12.9902, 0.4009, 0.3666



14.1995, 0.2502, 0.2873

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.



12.9902, 0.2425, 0.2618



12.9902, 0.4009, 0.3666



12.9902, 0.2403, 0.3188

Square

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



12.9902, 0.4009, 0.3666



12.9902, 0.3077, 0.3972



12.9902, 0.2317, 0.2824



12.9902, 0.3129, 0.2718

Rectangle

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



12.9902, 0.4009, 0.3666



12.9902, 0.3643, 0.4069



12.9902, 0.2317, 0.2824



12.9902, 0.2599, 0.2578

Sweetspot

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



12.9908, 0.4009, 0.3666



33.5486, 0.3344, 0.3401



10.7076, 0.3474, 0.2591



7.4202, 0.3379, 0.3418



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.9908, 0.4009, 0.3666



20.5835, 0.4287, 0.3746



18.5592, 0.3800, 0.4150



4.5682, 0.3270, 0.3365



6.3527, 0.5793, 0.3783



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.1995, 0.2502, 0.2873



23.0236, 0.2374, 0.2760



9.2550, 0.2402, 0.2247



4.6447, 0.2993, 0.3214



7.8070, 0.1933, 0.2157



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.9902, 0.4009, 0.3666 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 12.9902, 0.4009, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9902, 0.4009, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 12.9902, 0.4009, 0.3666.



This preview shows how white text looks on a background with the Yxy color 12.9902, 0.4009, 0.3666.

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

12.9902, 0.4009, 0.3666

Protanopia

13.0456, 0.3556, 0.3799

Deuteranopia

13.0235, 0.3848, 0.3790



Tritanopia

13.0007, 0.3684, 0.3156

Trichromacy



Original Color

12.9902, 0.4009, 0.3666

Protanomaly

12.9842, 0.3716, 0.3737

Deuteranomaly

13.0577, 0.3904, 0.3761

Tritanomaly

12.9493, 0.3794, 0.3331

Monochromacy



Original Color

12.9902, 0.4009, 0.3666

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.1411, 0.3424, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9902, 0.4009, 0.3666 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(129, 93, 74)` looks like.

```
.text, #text, p{  
    color:rgb(129, 93, 74)  
}
```

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(129, 93, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 93, 74) }
```

Border

The CSS property to change the border of an element to Yxy 12.9902, 0.4009, 0.3666 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(129, 93, 74) }
```

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

```
.border{ border-color:rgb(129, 93, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 93, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 93, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 93, 74);  
box-shadow:4px 4px 4px 4px rgb(129, 93,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9902, 0.4009, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 93, 74) }
```

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

```
.background{ background-color: rgb(129, 93,  
74) }
```

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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