

Converting Colors

$Y_{xy}(23.9810, 0.4093, 0.3735)$

Have a look what the booklet for
Yxy(23.9810, 0.4093, 0.3735)
contains.

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Color

Yxy(23.9941, 0.4096, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	AC7C5E
RGB	172, 124, 94
RGB Percent	67%, 49%, 37%
CMY	0.3254, 0.5137, 0.6315
CMYK	0.00, 0.28, 0.45, 0.33
HSL	23°, 32%, 52%
HSV	23°, 45%, 67%
XYZ	26.2429, 23.9941, 13.8326
YIQ	134.9320, 38.2380, 0.8460

Conversions

Conversions Part 2

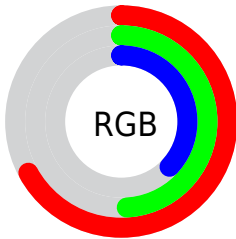
Format	Color
R_{YB}	172, 143, 94
Decimal	11304030
CIE _{Lab}	56.08, 14.88, 23.74
CIE _{LCh}	56, 28.019, 57.910
Yxy	23.9941, 0.4096, 0.3745
Android (android.graphics.Color)	4289494110 (0xFFAC7C5E)
YUV	134.9320, -20.1795, 32.5086
Hunter-Lab	48.9838, 9.9094, 17.5456

Details

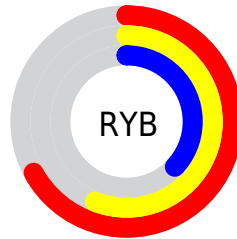
The Yxy color **23.9941, 0.4096, 0.3745** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **24.7021, 0.2439, 0.2773**, and the grayscale version is **24.2678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1466, 0.3880, 0.3661**, and **9.0193, 0.4455, 0.3876** is the 20% darker color. If you saturate the color by 10%, you get **21.2082, 0.4394, 0.3835**, and if you desaturate by 10%, it is **27.1360, 0.3828, 0.3644**.

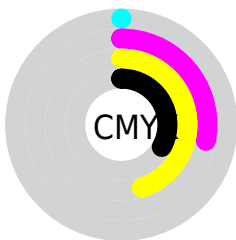
Distribution



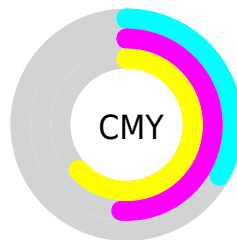
- Red (67%)
- Green (49%)
- Blue (37%)



- Red (67%)
- Yellow (56%)
- Blue (37%)



- Cyan (0%)
- Magenta (28%)
- Yellow (45%)
- Black (33%)




- Cyan (33%)
- Magenta (51%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9941, 0.4096, 0.3745 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 23.9941, 0.4096, 0.3745 by changing the saturation by 10% instead.


 23.9941, 0.4096,
0.3745


 23.9941, 0.4096,
0.3745


272.7906, 0.3557,
0.3513


 15.3292, 0.4249,
0.3800


 50.0206, 0.3886,
0.3661

 9.0508, 0.4456,
0.3867


 68.1510, 0.3812,
0.3629

 4.7743, 0.4749,
0.3943

 90.2054, 0.3750,
0.3602

 2.1155, 0.5330,
0.4126

 116.5681, 0.3699,
0.3579

 0.6733, 0.6009,
0.3991

147.6236, 0.3655,
0.3559

 0.0000, 0.0000,
0.0000

183.7563, 0.3618,

0.3542

225.3505, 0.3585,
0.3526

■ 23.9941, 0.4096,
0.3745

■ 23.9941, 0.4096,
0.3745

■ 21.2082, 0.4394,
0.3835

■ 27.1360, 0.3828,
0.3644

■ 18.7611, 0.4714,
0.3904

■ 30.6430, 0.3592,
0.3540

■ 16.6394, 0.5040,
0.3939


■ 34.5284, 0.3387,
0.3438

■ 14.8272, 0.5349,
0.3929

■ 38.8037, 0.3211,
0.3340


■ 13.3063, 0.5615,
0.3868

■ 43.4797, 0.3060,
0.3248

 12.6891, 0.5730,
0.3832

 48.5671, 0.2931,
0.3164

 54.0758, 0.2821,
0.3086

 60.0156, 0.2725,
0.3015

 66.3958, 0.2643,
0.2951

Harmonies

Analogous

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



23.9941, 0.4020, 0.3361



23.9941, 0.4096, 0.3745



23.9941, 0.3892, 0.4055

Triad

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



23.9941, 0.4096, 0.3745



23.9941, 0.2577, 0.3600



23.9941, 0.2721, 0.2529

Complementary

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



23.9941, 0.4096, 0.3745



24.7021, 0.2439, 0.2773

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.



23.9941, 0.2386, 0.2535



23.9941, 0.4096, 0.3745



23.9941, 0.2307, 0.3113

Square

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



23.9941, 0.4096, 0.3745



23.9941, 0.3006, 0.4014



23.9941, 0.2241, 0.2732



23.9941, 0.3192, 0.2692

Rectangle

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



23.9941, 0.4096, 0.3745



23.9941, 0.3638, 0.4165



23.9941, 0.2241, 0.2732



23.9941, 0.2591, 0.2511

Sweetspot

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



23.9953, 0.4096, 0.3745



63.4568, 0.3366, 0.3426



18.7301, 0.3573, 0.2583



13.4540, 0.3406, 0.3447



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.9953, 0.4096, 0.3745



38.6568, 0.4382, 0.3832



35.7428, 0.3839, 0.4273



8.5016, 0.3277, 0.3378



9.5406, 0.5712, 0.3847



0.3732, 0.5152, 0.4292

Inverse Universe

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



24.7021, 0.2439, 0.2773



40.0552, 0.2307, 0.2640



15.0748, 0.2316, 0.2064



8.5467, 0.2986, 0.3201



9.9703, 0.1889, 0.2000



0.3790, 0.2010, 0.2435

Previews

White Background



This preview shows how the Yxy color 23.9941, 0.4096, 0.3745 looks on a white 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

Black Background



This preview shows how the Yxy color 23.9941, 0.4096, 0.3745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

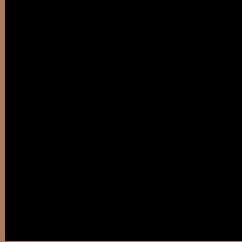
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9941, 0.4096, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 23.9941, 0.4096, 0.3745.



This preview shows how white text looks on a background with the Yxy color 23.9941, 0.4096, 0.3745.

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

23.9941, 0.4096, 0.3745

Protanopia

24.2485, 0.3636, 0.3903

Deuteranopia

24.0679, 0.3936, 0.3863



Tritanopia

23.8661, 0.3727, 0.3158

Trichromacy



Original Color

23.9941, 0.4096, 0.3745

Protanomaly

24.0642, 0.3803, 0.3847

Deuteranomaly

23.9684, 0.4000, 0.3822

Tritanomaly

23.9344, 0.3861, 0.3367

Monochromacy



Original Color

23.9941, 0.4096, 0.3745

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.8846, 0.3451, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9941, 0.4096, 0.3745 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(172, 124, 94)` looks like.

```
.text, #text, p{  
    color:rgb(172, 124, 94)  
}
```

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(172, 124, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 124, 94) }
```

Border

The CSS property to change the border of an element to Yxy 23.9941, 0.4096, 0.3745 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(172, 124, 94) }
```

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

```
.border{ border-color:rgb(172, 124, 94) }
```

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

Here you see how a box with a 4 pixel rgb(172, 124, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 124, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 124, 94);  
box-shadow:4px 4px 4px 4px rgb(172, 124,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9941, 0.4096, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 124, 94) }
```

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

```
.background{ background-color: rgb(172,  
124, 94) }
```

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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