

Converting Colors

$Y_{xy}(24.2486, 0.3993, 0.3701)$

Have a look what the booklet for
Yxy(24.2486, 0.3993, 0.3701)
contains.

Yxy(24.3686, 0.3997, 0.3704)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.3686, 0.3997, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	AA7E63
RGB	170, 126, 99
RGB Percent	67%, 49%, 39%
CMY	0.3332, 0.5059, 0.6117
CMYK	0.00, 0.26, 0.42, 0.33
HSL	23°, 29%, 53%
HSV	23°, 42%, 67%
XYZ	26.2962, 24.3686, 15.1251
YIQ	136.0780, 34.8910, 0.9310

Conversions

Conversions Part 2

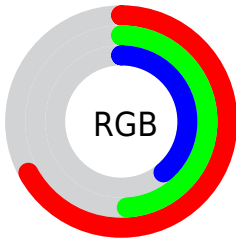
Format	Color
R_{YB}	170, 143, 99
Decimal	11173475
CIE _{Lab}	56.45, 13.50, 21.34
CIE _{LCh}	56, 25.252, 57.690
Yxy	24.3686, 0.3997, 0.3704
Android (android.graphics.Color)	4289363555 (0xFFAA7E63)
YUV	136.0780, -18.2795, 29.7496
Hunter-Lab	49.3646, 8.6980, 16.3890

Details

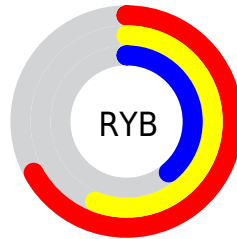
The Yxy color **24.3686, 0.3997, 0.3704** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **25.2188, 0.2493, 0.2827**, and the grayscale version is **24.7128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7731, 0.3810, 0.3629**, and **9.2687, 0.4324, 0.3825** is the 20% darker color. If you saturate the color by 10%, you get **21.5221, 0.4286, 0.3798**, and if you desaturate by 10%, it is **27.5702, 0.3739, 0.3603**.

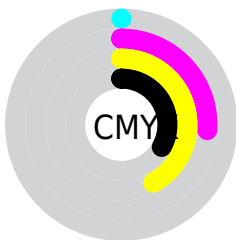
Distribution



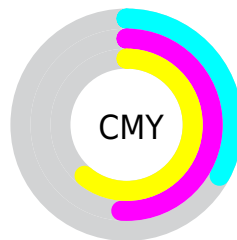
- Red (67%)
- Green (49%)
- Blue (39%)



- Red (67%)
- Yellow (56%)
- Blue (39%)



- Cyan (0%)
- Magenta (26%)
- Yellow (42%)
- Black (33%)





- Cyan (33%)
- Magenta (51%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3686, 0.3997, 0.3704 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 24.3686, 0.3997, 0.3704 by changing the saturation by 10% instead.


 24.3686, 0.3997,
0.3704

 24.3686, 0.3997,
0.3704


274.6787, 0.3513,
0.3491


 15.6073, 0.4135,
0.3757


 50.6310, 0.3809,
0.3626

 9.2467, 0.4323,
0.3822


 68.9009, 0.3742,
0.3597

 4.9024, 0.4590,
0.3900

 91.1092, 0.3687,
0.3572

 2.1901, 0.5058,
0.4037

 117.6401, 0.3641,
0.3551

 0.7146, 0.5880,
0.4120

148.8781, 0.3602,
0.3533

 0.0000, 0.0000,
0.0000

185.2076, 0.3568,

0.3517

227.0130, 0.3539,
0.3503

■ 24.3686, 0.3997,
0.3704

■ 24.3686, 0.3997,
0.3704

■ 21.5221, 0.4286,
0.3798

■ 27.5702, 0.3739,
0.3603

■ 19.0142, 0.4601,
0.3874

■ 31.1356, 0.3515,
0.3500

■ 16.8318, 0.4929,
0.3922


■ 35.0779, 0.3320,
0.3400

■ 14.9599, 0.5249,
0.3929


■ 39.4081, 0.3154,
0.3306

■ 13.3814, 0.5536,
0.3886

■ 44.1369, 0.3012,
0.3218

 12.2828, 0.5742,
0.3823

 49.2745, 0.2890,
0.3137

 54.8306, 0.2785,
0.3063

 60.8149, 0.2695,
0.2996

 67.2365, 0.2618,
0.2934

Harmonies

Analogous

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



24.3686, 0.3925, 0.3356



24.3686, 0.3997, 0.3704



24.3686, 0.3819, 0.3979

Triad

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



24.3686, 0.3997, 0.3704



24.3686, 0.2636, 0.3571



24.3686, 0.2760, 0.2600

Complementary

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



24.3686, 0.3997, 0.3704



25.2188, 0.2493, 0.2827

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.



24.3686, 0.2456, 0.2610



24.3686, 0.3997, 0.3704



24.3686, 0.2387, 0.3139

Square

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



24.3686, 0.3997, 0.3704



24.3686, 0.3025, 0.3935



24.3686, 0.2325, 0.2793



24.3686, 0.3184, 0.2747

Rectangle

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



24.3686, 0.3997, 0.3704



24.3686, 0.3593, 0.4073



24.3686, 0.2325, 0.2793



24.3686, 0.2642, 0.2585

Sweetspot

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



24.3698, 0.3997, 0.3704



62.5254, 0.3347, 0.3415



19.4893, 0.3508, 0.2622



13.5908, 0.3387, 0.3436



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.



24.3698, 0.3997, 0.3704



39.4537, 0.4260, 0.3790



34.7881, 0.3789, 0.4183



7.9919, 0.3277, 0.3376



9.1322, 0.5723, 0.3838



0.3212, 0.5119, 0.4317

Inverse Universe

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



25.2188, 0.2493, 0.2827



41.1686, 0.2364, 0.2705



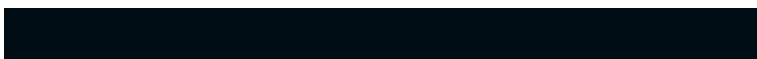
16.3841, 0.2393, 0.2200



8.0461, 0.2987, 0.3202



9.7411, 0.1894, 0.2019



0.3310, 0.2024, 0.2487

Previews

White Background



This preview shows how the Yxy color 24.3686, 0.3997, 0.3704 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 24.3686, 0.3997, 0.3704 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 24.3686, 0.3997, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 24.3686, 0.3997, 0.3704.



This preview shows how white text looks on a background with the Yxy color 24.3686, 0.3997, 0.3704.

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

24.3686, 0.3997, 0.3704

Protanopia

24.3270, 0.3592, 0.3834

Deuteranopia

24.4242, 0.3872, 0.3800



Tritanopia

24.4420, 0.3654, 0.3157

Trichromacy



Original Color

24.3686, 0.3997, 0.3704

Protanomaly

24.3319, 0.3728, 0.3783

Deuteranomaly

24.4749, 0.3915, 0.3778

Tritanomaly

24.2685, 0.3789, 0.3353

Monochromacy



Original Color

24.3686, 0.3997, 0.3704

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.2285, 0.3414, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3686, 0.3997, 0.3704 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(170, 126, 99)` looks like.

```
.text, #text, p{  
    color:rgb(170, 126, 99)  
}
```

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(170, 126, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 126, 99) }
```

Border

The CSS property to change the border of an element to Yxy 24.3686, 0.3997, 0.3704 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(170, 126, 99) }
```

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

```
.border{ border-color:rgb(170, 126, 99) }
```

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

Here you see how a box with a 4 pixel rgb(170, 126, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 126, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 126, 99);  
box-shadow:4px 4px 4px 4px rgb(170, 126,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3686, 0.3997, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 126, 99) }
```

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

```
.background{ background-color: rgb(170,  
126, 99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor