

Converting Colors

$Y_{xy}(21.9748, 0.4048, 0.3752)$

Have a look what the booklet for
Yxy(21.9748, 0.4048, 0.3752)
contains.

Yxy(21.9748, 0.4048, 0.3752)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9748, 0.4048, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	A3785B
RGB	163, 120, 91
RGB Percent	64%, 47%, 36%
CMY	0.3608, 0.5294, 0.6432
CMYK	0.00, 0.26, 0.44, 0.36
HSL	24°, 28%, 50%
HSV	24°, 44%, 64%
XYZ	23.7084, 21.9748, 12.8850
YIQ	129.5510, 34.9370, 0.0970

Conversions

Conversions Part 2

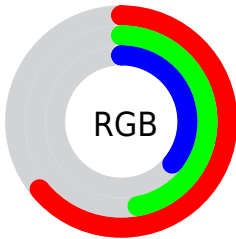
Format	Color
R_{YB}	163, 140, 91
Decimal	10713179
CIE _{Lab}	54.00, 13.02, 22.50
CIE _{LCh}	54, 25.994, 59.944
Yxy	21.9748, 0.4048, 0.3752
Android (android.graphics.Color)	4288903259 (0xFFA3785B)
YUV	129.5510, -19.0056, 29.3348
Hunter-Lab	46.8773, 8.2420, 16.5172

Details

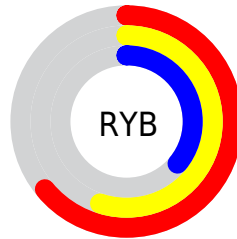
The Yxy color **21.9748, 0.4048, 0.3752** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.9111, 0.2455, 0.2766**, and the grayscale version is **22.2156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4882, 0.3845, 0.3664**, and **7.9471, 0.4402, 0.3873** is the 20% darker color. If you saturate the color by 10%, you get **19.5014, 0.4335, 0.3848**, and if you desaturate by 10%, it is **24.7493, 0.3789, 0.3646**.

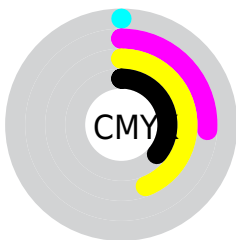
Distribution



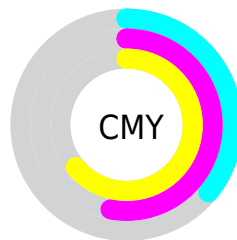
- Red (64%)
- Green (47%)
- Blue (36%)



- Red (64%)
- Yellow (55%)
- Blue (36%)



- Cyan (0%)
- Magenta (26%)
- Yellow (44%)
- Black (36%)




- Cyan (36%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9748, 0.4048, 0.3752 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 21.9748, 0.4048, 0.3752 by changing the saturation by 10% instead.


 21.9748, 0.4048,
0.3752


 21.9748, 0.4048,
0.3752


262.4146, 0.3529,
0.3510


 13.8384, 0.4199,
0.3812


 46.7043, 0.3844,
0.3663


 8.0083, 0.4405,
0.3887


 64.0663, 0.3772,
0.3630

 4.1003, 0.4701,
0.3975

 85.2721, 0.3713,
0.3602

 1.7298, 0.5431,
0.4285

 110.7064, 0.3664,
0.3578

 0.4429, 0.6252,
0.3748

140.7533, 0.3622,
0.3557

 0.0000, 0.0000,
0.0000

175.7974, 0.3587,

0.3540

216.2231, 0.3556,
0.3524

■ 21.9748, 0.4048,
0.3752

■ 21.9748, 0.4048,
0.3752

■ 19.5014, 0.4335,
0.3848

■ 24.7493, 0.3789,
0.3646

■ 17.3149, 0.4644,
0.3925

■ 27.8321, 0.3561,
0.3538

■ 15.4045, 0.4960,
0.3969

■ 31.2342, 0.3363,
0.3431

■ 13.7572, 0.5263,
0.3970

■ 34.9650, 0.3191,
0.3330

■ 12.3586, 0.5529,
0.3920

■ 39.0334, 0.3044,
0.3236

■ 11.6469, 0.5672,
0.3878

■ 43.4479, 0.2918,
0.3148

■ 48.2170, 0.2809,
0.3068

■ 53.3484, 0.2715,
0.2995

■ 58.8501, 0.2634,
0.2928

Harmonies

Analogous

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



21.9748, 0.3994, 0.3386



21.9748, 0.4048, 0.3752



21.9748, 0.3839, 0.4038

Triad

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



21.9748, 0.4048, 0.3752



21.9748, 0.2578, 0.3554



21.9748, 0.2767, 0.2566

Complementary

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



21.9748, 0.4048, 0.3752



21.9111, 0.2455, 0.2766

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.



21.9748, 0.2433, 0.2561



21.9748, 0.4048, 0.3752



21.9748, 0.2330, 0.3094

Square

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



21.9748, 0.4048, 0.3752



21.9748, 0.2982, 0.3958



21.9748, 0.2281, 0.2739



21.9748, 0.3222, 0.2732

Rectangle

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



21.9748, 0.4048, 0.3752



21.9748, 0.3589, 0.4130



21.9748, 0.2281, 0.2739



21.9748, 0.2638, 0.2545

Sweetspot

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



21.9759, 0.4048, 0.3752



56.5422, 0.3345, 0.3422



16.9921, 0.3572, 0.2621



12.3950, 0.3385, 0.3444



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.9759, 0.4048, 0.3752



35.0091, 0.4329, 0.3846



32.2509, 0.3811, 0.4261



7.5327, 0.3275, 0.3381



9.1363, 0.5656, 0.3891



0.2833, 0.5030, 0.4388

Inverse Universe

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



21.9111, 0.2455, 0.2766



34.8489, 0.2316, 0.2625



13.6372, 0.2340, 0.2085



7.5300, 0.2987, 0.3197



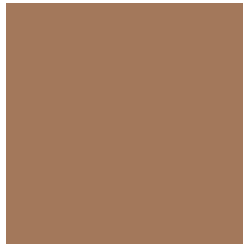
8.8347, 0.1872, 0.1940



0.2747, 0.2024, 0.2485

Previews

White Background



This preview shows how the Yxy color 21.9748, 0.4048, 0.3752 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 21.9748, 0.4048, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

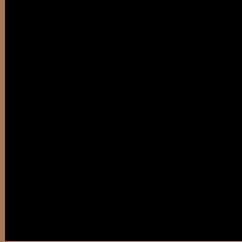
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9748, 0.4048, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 21.9748, 0.4048, 0.3752.



This preview shows how white text looks on a background with the Yxy color 21.9748, 0.4048, 0.3752.

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

21.9748, 0.4048, 0.3752

Protanopia

22.0157, 0.3635, 0.3892

Deuteranopia

22.0235, 0.3916, 0.3854



Tritanopia

22.0530, 0.3677, 0.3167

Trichromacy



Original Color

21.9748, 0.4048, 0.3752

Protanomaly

22.0258, 0.3778, 0.3836

Deuteranomaly

22.0722, 0.3962, 0.3830

Tritanomaly

21.8918, 0.3819, 0.3371

Monochromacy



Original Color

21.9748, 0.4048, 0.3752

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9334, 0.3438, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9748, 0.4048, 0.3752 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(163, 120, 91)` looks like.

```
.text, #text, p{  
    color:rgb(163, 120, 91)  
}
```

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(163, 120, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 120, 91) }
```

Border

The CSS property to change the border of an element to Yxy 21.9748, 0.4048, 0.3752 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(163, 120, 91) }
```

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

```
.border{ border-color:rgb(163, 120, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 120, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 120, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 120, 91);  
box-shadow:4px 4px 4px 4px rgb(163, 120,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9748, 0.4048, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 120, 91) }
```

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

```
.background{ background-color: rgb(163,  
120, 91) }
```

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