

Converting Colors

$Y_{xy}(21.9032, 0.4363, 0.3941)$

Have a look what the booklet for
Yxy(21.9032, 0.4363, 0.3941)
contains.

Yxy(21.9973, 0.4359, 0.3947)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9973, 0.4359, 0.3947)

Conversions

Conversions Part 1

Format	Color
Hex	AA764A
RGB	170, 118, 74
RGB Percent	67%, 46%, 29%
CMY	0.3333, 0.5373, 0.7099
CMYK	0.00, 0.31, 0.56, 0.33
HSL	28°, 39%, 48%
HSV	28°, 56%, 67%
XYZ	24.2934, 21.9973, 9.4409
YIQ	128.5320, 45.1160, -2.6600

Conversions

Conversions Part 2

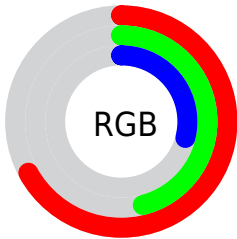
Format	Color
R_{YB}	170, 155, 74
Decimal	11171402
CIE _{Lab}	54.02, 15.48, 32.21
CIE _{LCh}	54, 35.738, 64.325
Yxy	21.9973, 0.4359, 0.3947
Android (android.graphics.Color)	4289361482 (0xFFAA764A)
YUV	128.5320, -26.8843, 36.3674
Hunter-Lab	46.9013, 10.3804, 20.8962

Details

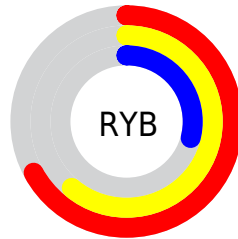
The Yxy color **21.9973, 0.4359, 0.3947** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.2784, 0.2259, 0.2483**, and the grayscale version is **21.8649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6987, 0.4094, 0.3823**, and **8.1090, 0.4796, 0.4107** is the 20% darker color. If you saturate the color by 10%, you get **19.7354, 0.4648, 0.4029**, and if you desaturate by 10%, it is **24.5350, 0.4084, 0.3841**.

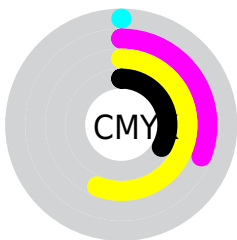
Distribution



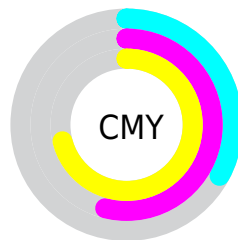
- Red (67%)
- Green (46%)
- Blue (29%)



- Red (67%)
- Yellow (61%)
- Blue (29%)



- Cyan (0%)
- Magenta (31%)
- Yellow (56%)
- Black (33%)





- Cyan (33%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9973, 0.4359, 0.3947 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 21.9973, 0.4359, 0.3947 by changing the saturation by 10% instead.


 21.9973, 0.4359,
0.3947


 21.9973, 0.4359,
0.3947


262.5322, 0.3673,
0.3615

 13.8549, 0.4549,
0.4020


 46.7415, 0.4094,
0.3830

 8.0198, 0.4800,
0.4102


 64.1122, 0.3999,
0.3785


 4.1076, 0.5154,
0.4190

 85.3277, 0.3920,
0.3746

 1.7340, 0.5716,
0.4284

 110.7725, 0.3855,
0.3712

 0.4455, 0.6427,
0.3573

 140.8309, 0.3799,
0.3683

 0.0000, 0.0000,
0.0000

175.8874, 0.3751,

0.3658

216.3264, 0.3709,
0.3635

■ 21.9973, 0.4359,
0.3947

■ 21.9973, 0.4359,
0.3947

■ 19.7354, 0.4648,
0.4029

■ 24.5350, 0.4084,
0.3841

■ 17.7350, 0.4937,
0.4076

■ 27.3557, 0.3831,
0.3723

■ 15.9849, 0.5206,
0.4075

■ 30.4700, 0.3604,
0.3600

■ 14.4701, 0.5440,
0.4023

■ 33.8872, 0.3403,
0.3478

■ 13.9859, 0.5519,
0.4000

■ 37.6160, 0.3228,
0.3362

■ 41.6647, 0.3076,
0.3252

■ 46.0412, 0.2944,
0.3151

■ 50.7532, 0.2830,
0.3057

■ 55.8081, 0.2731,
0.2971

Harmonies

Analogous

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



21.9973, 0.4356, 0.3464



21.9973, 0.4359, 0.3947



21.9973, 0.4011, 0.4336

Triad

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



21.9973, 0.4359, 0.3947



21.9973, 0.2316, 0.3552



21.9973, 0.2713, 0.2352

Complementary

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



21.9973, 0.4359, 0.3947



19.2784, 0.2259, 0.2483

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.



21.9973, 0.2248, 0.2303



21.9973, 0.4359, 0.3947



21.9973, 0.2036, 0.2917

Square

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



21.9973, 0.4359, 0.3947



21.9973, 0.2824, 0.4169



21.9973, 0.2016, 0.2484



21.9973, 0.3345, 0.2596

Rectangle

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



21.9973, 0.4359, 0.3947



21.9973, 0.3649, 0.4460



21.9973, 0.2016, 0.2484



21.9973, 0.2535, 0.2312

Sweetspot

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



21.9984, 0.4359, 0.3947



60.9429, 0.3419, 0.3488



14.9698, 0.3839, 0.2515



13.3151, 0.3456, 0.3512



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.



21.9984, 0.4359, 0.3947



34.7581, 0.4728, 0.4046



36.0277, 0.3957, 0.4554



8.0877, 0.3275, 0.3394



10.3958, 0.5502, 0.4014



0.3559, 0.4966, 0.4439

Inverse Universe

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



19.2784, 0.2259, 0.2483



29.2900, 0.2091, 0.2260



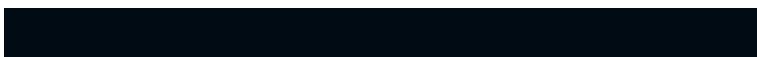
9.9189, 0.2072, 0.1598



7.9484, 0.2987, 0.3184



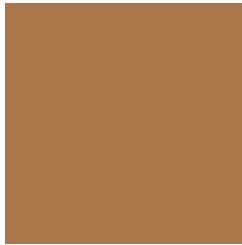
7.8880, 0.1819, 0.1746



0.2924, 0.1975, 0.2309

Previews

White Background



This preview shows how the Yxy color 21.9973, 0.4359, 0.3947 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 21.9973, 0.4359, 0.3947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

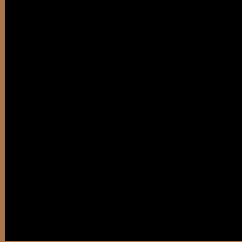
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9973, 0.4359, 0.3947

Background



This preview shows how black text looks on a background with the Yxy color 21.9973, 0.4359, 0.3947.



This preview shows how white text looks on a background with the Yxy color 21.9973, 0.4359, 0.3947.

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

21.9973, 0.4359, 0.3947

Protanopia

22.2661, 0.3856, 0.4185

Deuteranopia

22.1654, 0.4163, 0.4099



Tritanopia

21.9675, 0.3837, 0.3157

Trichromacy



Original Color

21.9973, 0.4359, 0.3947

Protanomaly

22.1329, 0.4025, 0.4096

Deuteranomaly

22.0815, 0.4232, 0.4052

Tritanomaly

21.9183, 0.4046, 0.3444

Monochromacy



Original Color

21.9973, 0.4359, 0.3947

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7007, 0.3551, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9973, 0.4359, 0.3947 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, 118, 74)` looks like.

```
.text, #text, p{  
    color:rgb(170, 118, 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(170, 118, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 118, 74) }
```

Border

The CSS property to change the border of an element to Yxy 21.9973, 0.4359, 0.3947 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, 118, 74) }
```

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

```
.border{ border-color:rgb(170, 118, 74) }
```

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

Here you see how a box with a 4 pixel rgb(170, 118, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 118, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 118, 74);  
box-shadow:4px 4px 4px 4px rgb(170, 118,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9973, 0.4359, 0.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 118, 74) }
```

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

```
.background{ background-color: rgb(170,  
118, 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](#).

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