

Converting Colors

$Y_{xy}(21.4639, 0.4364, 0.3768)$

Have a look what the booklet for
Yxy(21.4639, 0.4364, 0.3768)
contains.

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Color

Yxy(21.4030, 0.4370, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	AE7151
RGB	174, 113, 81
RGB Percent	68%, 44%, 32%
CMY	0.3176, 0.5569, 0.6823
CMYK	0.00, 0.35, 0.53, 0.32
HSL	21°, 36%, 50%
HSV	21°, 53%, 68%
XYZ	24.8489, 21.4030, 10.6105
YIQ	127.5910, 46.6280, 2.9800

Conversions

Conversions Part 2

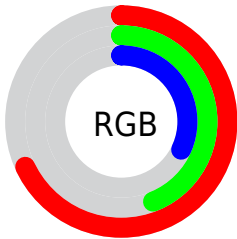
Format	Color
RYB	174, 130, 81
Decimal	11432273
CIELab	53.39, 20.63, 27.60
CIElCh	53, 34.455, 53.226
Yxy	21.4030, 0.4370, 0.3764
Android (android.graphics.Color)	4289622353 (0xFFAE7151)
YUV	127.5910, -22.9694, 40.7007
Hunter-Lab	46.2634, 14.9145, 18.7862

Details

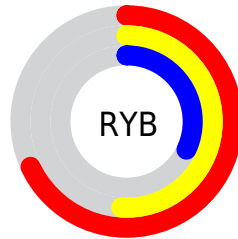
The Yxy color **21.4030, 0.4370, 0.3764** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.1651, 0.2341, 0.2730**, and the grayscale version is **21.5075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7048, 0.4094, 0.3681**, and **7.6397, 0.4851, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **18.7861, 0.4704, 0.3828**, and if you desaturate by 10%, it is **24.4095, 0.4064, 0.3681**.

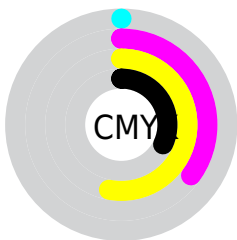
Distribution



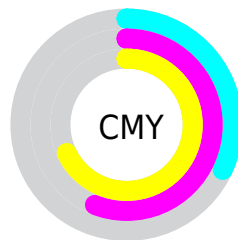
- Red (68%)
- Green (44%)
- Blue (32%)



- Red (68%)
- Yellow (51%)
- Blue (32%)



- Cyan (0%)
- Magenta (35%)
- Yellow (53%)
- Black (32%)





- Cyan (32%)
- Magenta (56%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4030, 0.4370, 0.3764 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 21.4030, 0.4370, 0.3764 by changing the saturation by 10% instead.


 21.4030, 0.4370,
0.3764


 21.4030, 0.4370,
0.3764


259.4125, 0.3669,
0.3532

 13.4189, 0.4571,
0.3812


 45.7573, 0.4095,
0.3685


 7.7176, 0.4842,
0.3860


 62.8962, 0.3998,
0.3653

 3.9148, 0.5221,
0.3894


 83.8556, 0.3918,
0.3626

 1.6260, 0.5991,
0.4009

 109.0198, 0.3852,
0.3602

 0.3750, 0.6964,
0.3036

 138.7732, 0.3795,
0.3581

 0.0000, 0.0000,
0.0000

173.5002, 0.3747,

0.3563

213.5852, 0.3705,
0.3546

■ 21.4030, 0.4370,
0.3764

■ 21.4030, 0.4370,
0.3764

■ 18.7861, 0.4704,
0.3828

■ 24.4095, 0.4064,
0.3681

■ 16.5385, 0.5050,
0.3862

■ 27.8184, 0.3792,
0.3590

■ 14.6428, 0.5383,
0.3854

■ 31.6456, 0.3555,
0.3496

■ 13.0782, 0.5674,
0.3796

■ 35.9053, 0.3353,
0.3405

■ 12.2142, 0.5843,
0.3743

■ 40.6108, 0.3180,
0.3318

■ 45.7752, 0.3034,
0.3238

■ 51.4105, 0.2909,
0.3164

■ 57.5287, 0.2802,
0.3096

■ 64.1412, 0.2712,
0.3034

Harmonies

Analogous

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



21.4030, 0.4223, 0.3285



21.4030, 0.4370, 0.3764



21.4030, 0.4148, 0.4191

Triad

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



21.4030, 0.4370, 0.3764



21.4030, 0.2499, 0.3785



21.4030, 0.2532, 0.2332

Complementary

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



21.4030, 0.4370, 0.3764



24.1651, 0.2341, 0.2730

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.



21.4030, 0.2158, 0.2365



21.4030, 0.4370, 0.3764



21.4030, 0.2135, 0.3142

Square

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



21.4030, 0.4370, 0.3764



21.4030, 0.3054, 0.4295



21.4030, 0.2020, 0.2634



21.4030, 0.3102, 0.2504

Rectangle

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



21.4030, 0.4370, 0.3764



21.4030, 0.3843, 0.4380



21.4030, 0.2020, 0.2634



21.4030, 0.2383, 0.2319

Sweetspot

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



21.4041, 0.4370, 0.3764



62.8385, 0.3407, 0.3431



16.8723, 0.3616, 0.2405



13.6170, 0.3447, 0.3449



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



21.4041, 0.4370, 0.3764



33.3331, 0.4762, 0.3836



34.2246, 0.3996, 0.4375



8.4488, 0.3278, 0.3369



8.9587, 0.5822, 0.3759



0.3529, 0.5239, 0.4222

Inverse Universe

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



24.1651, 0.2341, 0.2730



38.7719, 0.2200, 0.2582



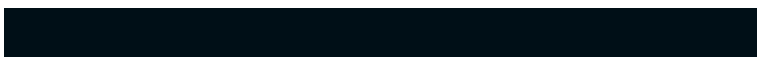
13.2682, 0.2170, 0.1886



8.6013, 0.2986, 0.3210



11.0875, 0.1929, 0.2144



0.4050, 0.2037, 0.2531

Previews

White Background



This preview shows how the Yxy color 21.4030, 0.4370, 0.3764 looks on a white background.

Color Contrast Check

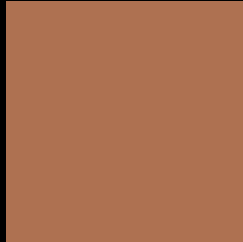
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4030, 0.4370, 0.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

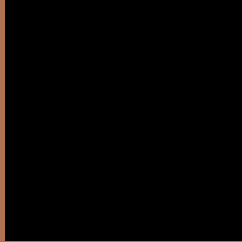
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4030, 0.4370, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 21.4030, 0.4370, 0.3764.



This preview shows how white text looks on a background with the Yxy color 21.4030, 0.4370, 0.3764.

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

21.4030, 0.4370, 0.3764

Protanopia

21.5297, 0.3718, 0.4019

Deuteranopia

21.4521, 0.4074, 0.3993



Tritanopia

21.3332, 0.3964, 0.3174

Trichromacy



Original Color

21.4030, 0.4370, 0.3764

Protanomaly

21.4011, 0.3944, 0.3928

Deuteranomaly

21.4542, 0.4178, 0.3906

Tritanomaly

21.3612, 0.4124, 0.3397

Monochromacy



Original Color

21.4030, 0.4370, 0.3764

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.3334, 0.3547, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4030, 0.4370, 0.3764 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(174, 113, 81)` looks like.

```
.text, #text, p{  
    color:rgb(174, 113, 81)  
}
```

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(174, 113, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 113, 81) }
```

Border

The CSS property to change the border of an element to Yxy 21.4030, 0.4370, 0.3764 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(174, 113, 81) }
```

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

```
.border{ border-color:rgb(174, 113, 81) }
```

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

Here you see how a box with a 4 pixel rgb(174, 113, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 113, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 113, 81);  
box-shadow:4px 4px 4px 4px rgb(174, 113,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4030, 0.4370, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 113, 81) }
```

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

```
.background{ background-color: rgb(174,  
113, 81) }
```

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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