

Converting Colors

$Y_{xy}(24.8441, 0.4232, 0.4080)$

Have a look what the booklet for
Yxy(24.8441, 0.4232, 0.4080)
contains.

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Color

Yxy(24.7684, 0.4235, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	AA814C
RGB	170, 129, 76
RGB Percent	67%, 51%, 30%
CMY	0.3333, 0.4941, 0.7019
CMYK	0.00, 0.24, 0.55, 0.33
HSL	34°, 38%, 48%
HSV	34°, 55%, 67%
XYZ	25.7346, 24.7684, 10.2635
YIQ	135.2170, 41.4490, -7.7910

Conversions

Conversions Part 2

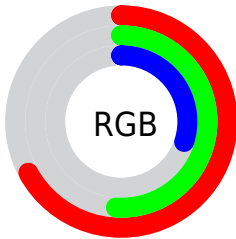
Format	Color
R_{YB}	149, 170, 76
Decimal	11174220
CIE _{Lab}	56.85, 9.46, 34.58
CIE _{LCh}	57, 35.852, 74.697
Yxy	24.7684, 0.4235, 0.4076
Android (android.graphics.Color)	4289364300 (0xFFAA814C)
YUV	135.2170, -29.1940, 30.5047
Hunter-Lab	49.7679, 5.2072, 22.6103

Details

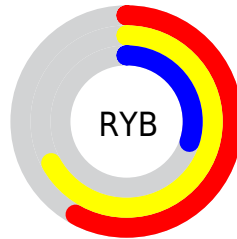
The Yxy color **24.7684, 0.4235, 0.4076** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.1677, 0.2236, 0.2312**, and the grayscale version is **24.4135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2931, 0.4002, 0.3935**, and **9.4709, 0.4600, 0.4288** is the 20% darker color. If you saturate the color by 10%, you get **22.6797, 0.4480, 0.4185**, and if you desaturate by 10%, it is **27.0638, 0.3996, 0.3944**.

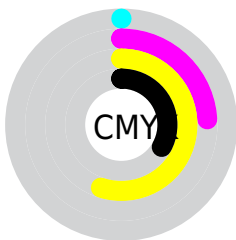
Distribution



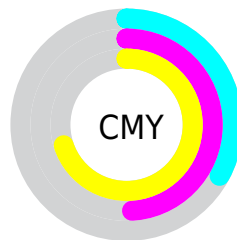
- Red (67%)
- Green (51%)
- Blue (30%)



- Red (58%)
- Yellow (67%)
- Blue (30%)



- Cyan (0%)
- Magenta (24%)
- Yellow (55%)
- Black (33%)




- Cyan (33%)
- Magenta (49%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7684, 0.4235, 0.4076 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 24.7684, 0.4235, 0.4076 by changing the saturation by 10% instead.


 24.7684, 0.4235,
0.4076


 24.7684, 0.4235,
0.4076


276.6826, 0.3633,
0.3672


 15.9046, 0.4395,
0.4171


 51.2813, 0.4007,
0.3931

 9.4567, 0.4601,
0.4284


 69.6991, 0.3924,
0.3875


 5.0402, 0.4871,
0.4412

 92.0704, 0.3855,
0.3828

 2.2709, 0.5358,
0.4642

 118.7795, 0.3796,
0.3788

 0.7582, 0.5578,
0.4422

 150.2109, 0.3747,
0.3753

 0.0000, 0.0000,
0.0000

186.7490, 0.3704,

0.3722

228.7781, 0.3666,
0.3695

■ 24.7684, 0.4235,
0.4076

■ 24.7684, 0.4235,
0.4076

■ 22.6797, 0.4480,
0.4185

■ 27.0638, 0.3996,
0.3944

■ 20.7862, 0.4719,
0.4259

■ 29.5698, 0.3770,
0.3799

■ 19.0801, 0.4940,
0.4287

■ 32.2945, 0.3563,
0.3650

■ 17.5510, 0.5129,
0.4263

■ 35.2443, 0.3375,
0.3503

■ 16.8832, 0.5214,
0.4242

■ 38.4253, 0.3208,
0.3362

■ 41.8436, 0.3060,
0.3228

■ 45.5046, 0.2929,
0.3104

■ 49.4138, 0.2814,
0.2989

■ 53.5764, 0.2713,
0.2883

Harmonies

Analogous

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



24.7684, 0.4357, 0.3627



24.7684, 0.4235, 0.4076



24.7684, 0.3811, 0.4380

Triad

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



24.7684, 0.4235, 0.4076



24.7684, 0.2221, 0.3320



24.7684, 0.2927, 0.2443

Complementary

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



24.7684, 0.4235, 0.4076



17.1677, 0.2236, 0.2312

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.



24.7684, 0.2409, 0.2327



24.7684, 0.4235, 0.4076



24.7684, 0.2035, 0.2761

Square

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



24.7684, 0.4235, 0.4076



24.7684, 0.2647, 0.3952



24.7684, 0.2102, 0.2424



24.7684, 0.3558, 0.2737

Rectangle

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



24.7684, 0.4235, 0.4076



24.7684, 0.3430, 0.4415



24.7684, 0.2102, 0.2424



24.7684, 0.2735, 0.2382

Sweetspot

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



24.7696, 0.4235, 0.4076



62.8242, 0.3411, 0.3533



15.0331, 0.3978, 0.2663



13.7754, 0.3447, 0.3561



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.



24.7696, 0.4235, 0.4076



40.4621, 0.4526, 0.4202



37.3088, 0.3861, 0.4608



8.2175, 0.3272, 0.3417



12.5300, 0.5199, 0.4254



0.4039, 0.4788, 0.4581

Inverse Universe

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



17.1677, 0.2236, 0.2312



25.3350, 0.2059, 0.2055



9.8096, 0.2122, 0.1576



7.8189, 0.2987, 0.3159



5.8617, 0.1723, 0.1403



0.2452, 0.1907, 0.2064

Previews

White Background



This preview shows how the Yxy color 24.7684, 0.4235, 0.4076 looks on a white background.

Color Contrast Check

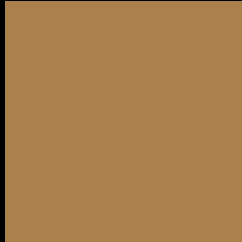
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7684, 0.4235, 0.4076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

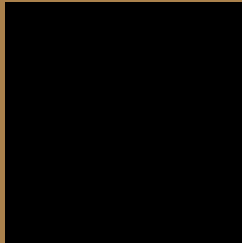
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7684, 0.4235, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 24.7684, 0.4235, 0.4076.



This preview shows how white text looks on a background with the Yxy color 24.7684, 0.4235, 0.4076.

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

24.7684, 0.4235, 0.4076

Protanopia

24.9399, 0.3895, 0.4236

Deuteranopia

24.7026, 0.4190, 0.4103



Tritanopia

24.6990, 0.3665, 0.3143

Trichromacy



Original Color

24.7684, 0.4235, 0.4076

Protanomaly

24.7684, 0.4014, 0.4176

Deuteranomaly

24.8119, 0.4202, 0.4099

Tritanomaly

24.7213, 0.3879, 0.3489

Monochromacy



Original Color

24.7684, 0.4235, 0.4076

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2859, 0.3513, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7684, 0.4235, 0.4076 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, 129, 76)` looks like.

```
.text, #text, p{  
    color:rgb(170, 129, 76)  
}
```

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, 129, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 129, 76) }
```

Border

The CSS property to change the border of an element to Yxy 24.7684, 0.4235, 0.4076 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, 129, 76) }
```

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

```
.border{ border-color:rgb(170, 129, 76) }
```

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

Here you see how a box with a 4 pixel rgb(170, 129, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 129, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 129, 76);  
box-shadow:4px 4px 4px 4px rgb(170, 129,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7684, 0.4235, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 129, 76) }
```

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

```
.background{ background-color: rgb(170,  
129, 76) }
```

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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