

Converting Colors

$Y_{xy}(24.4801, 0.4085, 0.3838)$

Have a look what the booklet for
Yxy(24.4801, 0.4085, 0.3838)
contains.

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Color

Yxy(24.4801, 0.4085, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	AA7F5B
RGB	170, 127, 91
RGB Percent	67%, 50%, 36%
CMY	0.3333, 0.5019, 0.6432
CMYK	0.00, 0.25, 0.46, 0.33
HSL	27°, 32%, 51%
HSV	27°, 46%, 67%
XYZ	26.0556, 24.4801, 13.2478
YIQ	135.7530, 37.1840, -2.0800

Conversions

Conversions Part 2

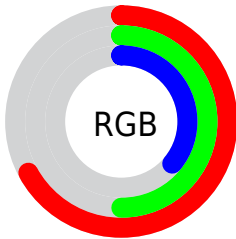
Format	Color
R_{YB}	170, 157, 91
Decimal	11173723
CIE _{Lab}	56.57, 12.02, 26.01
CIE _{LCh}	57, 28.654, 65.188
Yxy	24.4801, 0.4085, 0.3838
Android (android.graphics.Color)	4289363803 (0xFFAA7F5B)
YUV	135.7530, -22.0632, 30.0346
Hunter-Lab	49.4774, 7.4155, 18.7589

Details

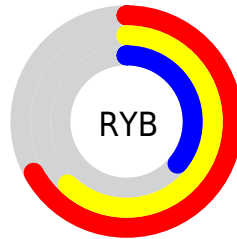
The Yxy color **24.4801, 0.4085, 0.3838** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.1748, 0.2406, 0.2655**, and the grayscale version is **24.5974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9264, 0.3876, 0.3732**, and **9.3436, 0.4443, 0.3999** is the 20% darker color. If you saturate the color by 10%, you get **21.9391, 0.4361, 0.3943**, and if you desaturate by 10%, it is **27.3094, 0.3831, 0.3720**.

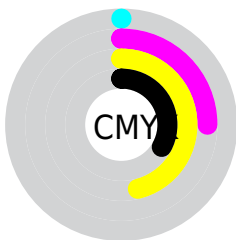
Distribution



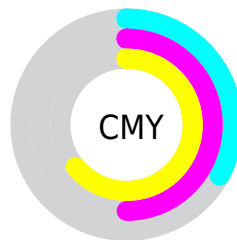
- Red (67%)
- Green (50%)
- Blue (36%)



- Red (67%)
- Yellow (62%)
- Blue (36%)



- Cyan (0%)
- Magenta (25%)
- Yellow (46%)
- Black (33%)




- Cyan (33%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4801, 0.4085, 0.3838 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 24.4801, 0.4085, 0.3838 by changing the saturation by 10% instead.


 24.4801, 0.4085,
0.3838


 24.4801, 0.4085,
0.3838


275.2388, 0.3556,
0.3555


 15.6901, 0.4233,
0.3907


 50.8125, 0.3880,
0.3735

 9.3052, 0.4432,
0.3993


 69.1238, 0.3807,
0.3696

 4.9408, 0.4707,
0.4094

 91.3776, 0.3747,
0.3663

 2.2125, 0.5295,
0.4354

 117.9584, 0.3696,
0.3635

 0.7268, 0.5773,
0.4227

149.2505, 0.3653,
0.3611

 0.0000, 0.0000,
0.0000

185.6383, 0.3616,

0.3590

227.5063, 0.3584,
0.3571

■ 24.4801, 0.4085,
0.3838

■ 24.4801, 0.4085,
0.3838

■ 21.9391, 0.4361,
0.3943

■ 27.3094, 0.3831,
0.3720

■ 19.6724, 0.4651,
0.4025

■ 30.4333, 0.3604,
0.3598

■ 17.6701, 0.4941,
0.4071

■ 33.8622, 0.3403,
0.3477

■ 15.9196, 0.5212,
0.4070

■ 37.6048, 0.3228,
0.3361

■ 14.4062, 0.5447,
0.4017

■ 41.6696, 0.3076,
0.3252

■ 13.9217, 0.5527,
0.3994

■ 46.0645, 0.2944,
0.3151

■ 50.7974, 0.2830,
0.3058

■ 55.8756, 0.2731,
0.2973

■ 61.3063, 0.2645,
0.2895

Harmonies

Analogous

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



24.4801, 0.4081, 0.3457



24.4801, 0.4085, 0.3838



24.4801, 0.3818, 0.4119

Triad

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



24.4801, 0.4085, 0.3838



24.4801, 0.2484, 0.3483



24.4801, 0.2821, 0.2544

Complementary

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



24.4801, 0.4085, 0.3838



22.1748, 0.2406, 0.2655

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.



24.4801, 0.2441, 0.2506



24.4801, 0.4085, 0.3838



24.4801, 0.2259, 0.3001

Square

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



24.4801, 0.4085, 0.3838



24.4801, 0.2888, 0.3942



24.4801, 0.2245, 0.2657



24.4801, 0.3317, 0.2746

Rectangle

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



24.4801, 0.4085, 0.3838



24.4801, 0.3535, 0.4191



24.4801, 0.2245, 0.2657



24.4801, 0.2677, 0.2511

Sweetspot

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



24.4813, 0.4085, 0.3838



62.8953, 0.3362, 0.3451



17.7614, 0.3665, 0.2641



13.7177, 0.3401, 0.3476



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.



24.4813, 0.4085, 0.3838



39.5696, 0.4377, 0.3948



36.5933, 0.3824, 0.4358



8.0845, 0.3275, 0.3393



10.3494, 0.5509, 0.4008



0.3548, 0.4971, 0.4435

Inverse Universe

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



22.1748, 0.2406, 0.2655



34.8338, 0.2252, 0.2478



13.3007, 0.2278, 0.1935



7.9516, 0.2987, 0.3185



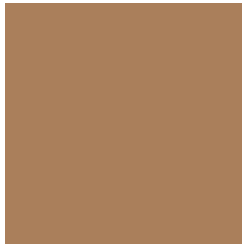
7.9447, 0.1821, 0.1755



0.2936, 0.1976, 0.2315

Previews

White Background



This preview shows how the Yxy color 24.4801, 0.4085, 0.3838 looks on a white background.

Color Contrast Check

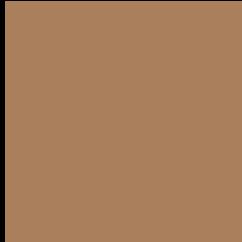
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4801, 0.4085, 0.3838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

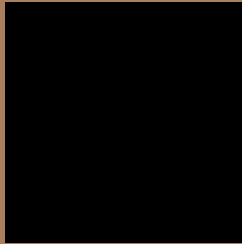
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4801, 0.4085, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 24.4801, 0.4085, 0.3838.



This preview shows how white text looks on a background with the Yxy color 24.4801, 0.4085, 0.3838.

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

24.4801, 0.4085, 0.3838

Protanopia

24.6376, 0.3699, 0.3979

Deuteranopia

24.4900, 0.3989, 0.3918



Tritanopia

24.5564, 0.3666, 0.3157

Trichromacy



Original Color

24.4801, 0.4085, 0.3838

Protanomaly

24.5518, 0.3825, 0.3925

Deuteranomaly

24.5457, 0.4033, 0.3894

Tritanomaly

24.5605, 0.3834, 0.3413

Monochromacy



Original Color

24.4801, 0.4085, 0.3838

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.4270, 0.3445, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4801, 0.4085, 0.3838 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, 127, 91)` looks like.

```
.text, #text, p{  
    color:rgb(170, 127, 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(170, 127, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 127, 91) }
```

Border

The CSS property to change the border of an element to Yxy 24.4801, 0.4085, 0.3838 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, 127, 91) }
```

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

```
.border{ border-color:rgb(170, 127, 91) }
```

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

Here you see how a box with a 4 pixel rgb(170, 127, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 127, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 127, 91);  
box-shadow:4px 4px 4px 4px rgb(170, 127,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4801, 0.4085, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 127, 91) }
```

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

```
.background{ background-color: rgb(170,  
127, 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](#).

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