

Converting Colors

$Y_{xy}(24.7051, 0.3850, 0.3710)$

Have a look what the booklet for
Yxy(24.7051, 0.3850, 0.3710)
contains.

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Color

Yxy(24.8370, 0.3851, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	A48267
RGB	164, 130, 103
RGB Percent	64%, 51%, 40%
CMY	0.3569, 0.4902, 0.5962
CMYK	0.00, 0.21, 0.37, 0.36
HSL	27°, 25%, 52%
HSV	27°, 37%, 64%
XYZ	25.7393, 24.8370, 16.2617
YIQ	137.0880, 28.9310, -1.1890

Conversions

Conversions Part 2

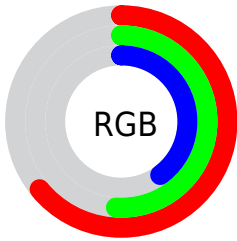
Format	Color
RYB	164, 151, 103
Decimal	10781287
CIELab	56.92, 9.19, 19.61
CIELCh	57, 21.654, 64.880
Yxy	24.8370, 0.3851, 0.3716
Android (android.graphics.Color)	4288971367 (0xFFA48267)
YUV	137.0880, -16.8054, 23.6018
Hunter-Lab	49.8367, 4.9761, 15.5394

Details

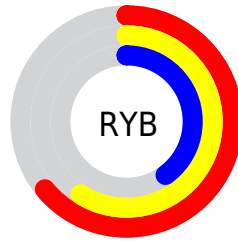
The Yxy color $24.8370, 0.3851, 0.3716$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $23.4434, 0.2552, 0.2818$, and the grayscale version is $25.1076, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.4157, 0.3696, 0.3635$, and $9.5499, 0.4116, 0.3849$ is the 20% darker color. If you saturate the color by 10%, you get $22.2172, 0.4109, 0.3830$, and if you desaturate by 10%, it is $27.7395, 0.3620, 0.3598$.

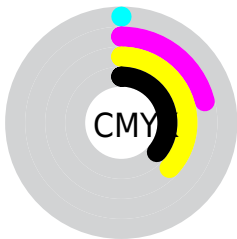
Distribution



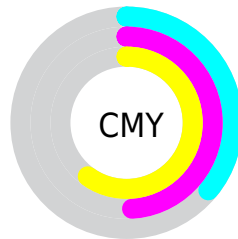
- Red (64%)
- Green (51%)
- Blue (40%)



- Red (64%)
- Yellow (59%)
- Blue (40%)



- Cyan (0%)
- Magenta (21%)
- Yellow (37%)
- Black (36%)




- Cyan (36%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8370, 0.3851, 0.3716 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 24.8370, 0.3851, 0.3716 by changing the saturation by 10% instead.


 24.8370, 0.3851,
0.3716


 24.8370, 0.3851,
0.3716


277.0252, 0.3450,
0.3491


 15.9557, 0.3965,
0.3775


 51.3927, 0.3695,
0.3632

 9.4928, 0.4120,
0.3851


 69.8358, 0.3640,
0.3601

 5.0640, 0.4342,
0.3950

 92.2349, 0.3594,
0.3575

 2.2848, 0.4703,
0.4098

 118.9745, 0.3556,
0.3553

 0.7657, 0.5555,
0.4445

150.4390, 0.3523,
0.3534

 0.0000, 0.0000,
0.0000

187.0126, 0.3495,

0.3518

229.0799, 0.3471,
0.3503

■ 24.8370, 0.3851,
0.3716

■ 24.8370, 0.3851,
0.3716

■ 22.2172, 0.4109,
0.3830

■ 27.7395, 0.3620,
0.3598

■ 19.8672, 0.4390,
0.3931

■ 30.9301, 0.3417,
0.3480

■ 17.7782, 0.4685,
0.4008

■ 34.4184, 0.3240,
0.3367

■ 15.9393, 0.4980,
0.4049

■ 38.2123, 0.3087,
0.3261

■ 14.3389, 0.5255,
0.4042

■ 42.3196, 0.2954,
0.3163

■ 12.9615, 0.5494,
0.3986

■ 46.7478, 0.2839,
0.3072

■ 12.6117, 0.5559,
0.3968

■ 51.5039, 0.2740,
0.2988

■ 56.5949, 0.2653,
0.2912

■ 62.0275, 0.2578,
0.2843

Harmonies

Analogous

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



24.8370, 0.3841, 0.3426



24.8370, 0.3851, 0.3716



24.8370, 0.3658, 0.3917

Triad

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



24.8370, 0.3851, 0.3716



24.8370, 0.2643, 0.3442



24.8370, 0.2896, 0.2713

Complementary

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



24.8370, 0.3851, 0.3716



23.4434, 0.2552, 0.2818

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.



24.8370, 0.2601, 0.2689



24.8370, 0.3851, 0.3716



24.8370, 0.2463, 0.3085

Square

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



24.8370, 0.3851, 0.3716



24.8370, 0.2956, 0.3773



24.8370, 0.2448, 0.2816



24.8370, 0.3270, 0.2869

Rectangle

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



24.8370, 0.3851, 0.3716



24.8370, 0.3447, 0.3962



24.8370, 0.2448, 0.2816



24.8370, 0.2785, 0.2689

Sweetspot

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



24.8382, 0.3851, 0.3716



59.8806, 0.3308, 0.3412



19.4094, 0.3508, 0.2755



12.9146, 0.3330, 0.3426



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.



24.8382, 0.3851, 0.3716



40.9487, 0.4072, 0.3815



33.9887, 0.3693, 0.4140



7.5783, 0.3274, 0.3390



9.7625, 0.5543, 0.3981



0.2988, 0.4952, 0.4450

Inverse Universe

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



23.4434, 0.2552, 0.2818



38.0185, 0.2420, 0.2686



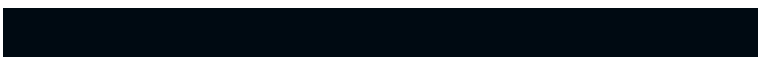
16.0860, 0.2474, 0.2268



7.4835, 0.2987, 0.3188



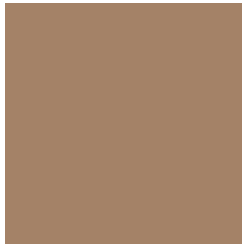
7.9342, 0.1834, 0.1801



0.2590, 0.2000, 0.2400

Previews

White Background



This preview shows how the Yxy color 24.8370, 0.3851, 0.3716 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 24.8370, 0.3851, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

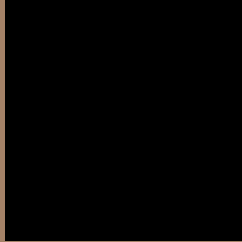
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8370, 0.3851, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 24.8370, 0.3851, 0.3716.



This preview shows how white text looks on a background with the Yxy color 24.8370, 0.3851, 0.3716.

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

24.8370, 0.3851, 0.3716

Protanopia

25.0429, 0.3563, 0.3813

Deuteranopia

24.7889, 0.3808, 0.3737



Tritanopia

24.8865, 0.3519, 0.3153

Trichromacy



Original Color

24.8370, 0.3851, 0.3716

Protanomaly

24.8424, 0.3672, 0.3768

Deuteranomaly

24.8933, 0.3821, 0.3735

Tritanomaly

24.7158, 0.3649, 0.3354

Monochromacy



Original Color

24.8370, 0.3851, 0.3716

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.7339, 0.3374, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8370, 0.3851, 0.3716 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(164, 130, 103)` looks like.

```
.text, #text, p{  
    color:rgb(164, 130, 103)  
}
```

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(164, 130, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 130, 103) }
```

Border

The CSS property to change the border of an element to Yxy 24.8370, 0.3851, 0.3716 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(164, 130, 103) }
```

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

```
.border{ border-color:rgb(164, 130, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 130, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 130, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 130, 103);  
box-shadow:4px 4px 4px 4px rgb(164, 130,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8370, 0.3851, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 130, 103) }
```

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

```
.background{ background-color: rgb(164,  
130, 103) }
```

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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