

Converting Colors

$Y_{xy}(25.0610, 0.4376, 0.3966)$

Have a look what the booklet for
Yxy(25.0610, 0.4376, 0.3966)
contains.

Yxy(24.9064, 0.4380, 0.3967)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9064, 0.4380, 0.3967)

Conversions

Conversions Part 1

Format	Color
Hex	B47D4D
RGB	180, 125, 77
RGB Percent	71%, 49%, 30%
CMY	0.2940, 0.5098, 0.6981
CMYK	0.00, 0.31, 0.57, 0.29
HSL	28°, 41%, 50%
HSV	28°, 57%, 71%
XYZ	27.4994, 24.9064, 10.3782
YIQ	135.9730, 48.1880, -3.2680

Conversions

Conversions Part 2

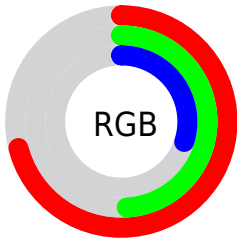
Format	Color
R_{YB}	180, 167, 77
Decimal	11828557
CIE _{Lab}	56.98, 16.11, 34.48
CIE _{LCh}	57, 38.055, 64.952
Y _{xy}	24.9064, 0.4380, 0.3967
Android (android.graphics.Color)	4290018637 (0xFFB47D4D)
Y _{UV}	135.9730, -29.0737, 38.6117
Hunter-Lab	49.9063, 11.0210, 22.6049

Details

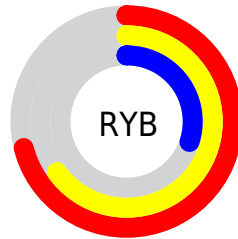
The Yxy color $24.9064, 0.4380, 0.3967$ is a dark color, and the websafe version is hex 996633 . A complement of this color would be $21.3828, 0.2242, 0.2451$, and the grayscale version is $24.7081, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.5502, 0.4115, 0.3856$, and $9.5477, 0.4805, 0.4122$ is the 20% darker color. If you saturate the color by 10%, you get $22.3699, 0.4668, 0.4048$, and if you desaturate by 10%, it is $27.7515, 0.4104, 0.3861$.

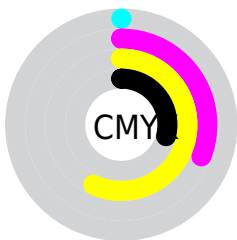
Distribution



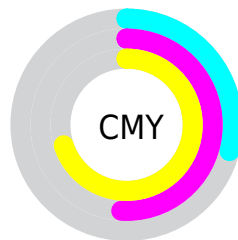
- Red (71%)
- Green (49%)
- Blue (30%)



- Red (71%)
- Yellow (65%)
- Blue (30%)



- Cyan (0%)
- Magenta (31%)
- Yellow (57%)
- Black (29%)




- Cyan (29%)
- Magenta (51%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9064, 0.4380, 0.3967 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 24.9064, 0.4380, 0.3967 by changing the saturation by 10% instead.


 24.9064, 0.4380,
0.3967


 24.9064, 0.4380,
0.3967


277.3715, 0.3696,
0.3633


 16.0073, 0.4563,
0.4039


 51.5053, 0.4120,
0.3852


 9.5293, 0.4801,
0.4117


 69.9740, 0.4026,
0.3806


 5.0880, 0.5115,
0.4191


 92.4013, 0.3947,
0.3767

 2.2990, 0.5674,
0.4326

 119.1717, 0.3881,
0.3732

 0.7732, 0.6004,
0.3996

 150.6695, 0.3825,
0.3703

 0.0000, 1.0000,
0.0000

187.2791, 0.3776,

 0.0000, 0.0000,

0.3677

0.0000

229.3850, 0.3733,
0.3653

■ 24.9064, 0.4380,
0.3967

■ 24.9064, 0.4380,
0.3967

■ 22.3699, 0.4668,
0.4048

■ 27.7515, 0.4104,
0.3861

■ 20.1256, 0.4953,
0.4092

■ 30.9130, 0.3850,
0.3741

■ 18.1608, 0.5217,
0.4087

■ 34.4033, 0.3621,
0.3615

■ 16.4580, 0.5443,
0.4031

■ 38.2326, 0.3418,
0.3491

■ 16.0265, 0.5504,
0.4012

■ 42.4106, 0.3241,
0.3372

■ 46.9468, 0.3087,
0.3260

■ 51.8501, 0.2953,
0.3155

■ 57.1291, 0.2837,
0.3059

■ 62.7922, 0.2736,
0.2971

Harmonies

Analogous

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



24.9064, 0.4386, 0.3475



24.9064, 0.4380, 0.3967



24.9064, 0.4018, 0.4362

Triad

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



24.9064, 0.4380, 0.3967



24.9064, 0.2290, 0.3542



24.9064, 0.2717, 0.2338

Complementary

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



24.9064, 0.4380, 0.3967



21.3828, 0.2242, 0.2451

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.



24.9064, 0.2239, 0.2283



24.9064, 0.4380, 0.3967



24.9064, 0.2012, 0.2896

Square

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



24.9064, 0.4380, 0.3967



24.9064, 0.2804, 0.4179



24.9064, 0.1998, 0.2461



24.9064, 0.3363, 0.2590

Rectangle

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



24.9064, 0.4380, 0.3967



24.9064, 0.3645, 0.4487



24.9064, 0.1998, 0.2461



24.9064, 0.2533, 0.2296

Sweetspot

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



24.9076, 0.4380, 0.3967



69.2603, 0.3419, 0.3492



16.7250, 0.3857, 0.2504



14.6643, 0.3457, 0.3516



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



24.9076, 0.4380, 0.3967



39.2956, 0.4753, 0.4066



40.8516, 0.3970, 0.4572



9.1361, 0.3276, 0.3396



11.3146, 0.5484, 0.4027



0.4731, 0.5035, 0.4384

Inverse Universe

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



21.3828, 0.2242, 0.2451



32.2408, 0.2072, 0.2219



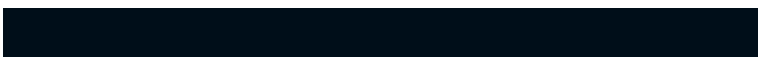
10.9306, 0.2053, 0.1566



8.9566, 0.2985, 0.3181



8.2922, 0.1810, 0.1716



0.3763, 0.1944, 0.2197

Previews

White Background



This preview shows how the Yxy color 24.9064, 0.4380, 0.3967 looks on a white background.

Color Contrast Check

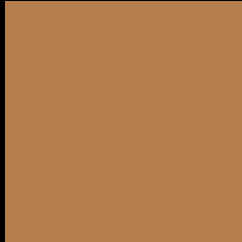
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9064, 0.4380, 0.3967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

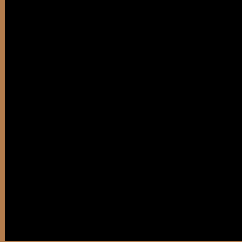
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9064, 0.4380, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 24.9064, 0.4380, 0.3967.



This preview shows how white text looks on a background with the Yxy color 24.9064, 0.4380, 0.3967.

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

24.9064, 0.4380, 0.3967

Protanopia

24.9694, 0.3875, 0.4206

Deuteranopia

25.0792, 0.4193, 0.4113



Tritanopia

24.9425, 0.3838, 0.3164

Trichromacy



Original Color

24.9064, 0.4380, 0.3967

Protanomaly

24.9313, 0.4050, 0.4116

Deuteranomaly

24.9930, 0.4259, 0.4068

Tritanomaly

24.8462, 0.4062, 0.3465

Monochromacy



Original Color

24.9064, 0.4380, 0.3967

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.4157, 0.3554, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9064, 0.4380, 0.3967 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(180, 125, 77)` looks like.

```
.text, #text, p{  
    color:rgb(180, 125, 77)  
}
```

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(180, 125, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 125, 77) }
```

Border

The CSS property to change the border of an element to Yxy 24.9064, 0.4380, 0.3967 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(180, 125, 77) }
```

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

```
.border{ border-color:rgb(180, 125, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 125, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 125, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 125, 77);  
box-shadow:4px 4px 4px 4px rgb(180, 125,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9064, 0.4380, 0.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 125, 77) }
```

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

```
.background{ background-color: rgb(180,  
125, 77) }
```

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