

Converting Colors

$Y_{xy}(24.8539, 0.4176, 0.3668)$

Have a look what the booklet for
Yxy(24.8539, 0.4176, 0.3668)
contains.

Yxy(24.8527, 0.4176, 0.3668)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8527, 0.4176, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	B57B61
RGB	181, 123, 97
RGB Percent	71%, 48%, 38%
CMY	0.2902, 0.5176, 0.6197
CMYK	0.00, 0.32, 0.46, 0.29
HSL	19°, 36%, 55%
HSV	19°, 46%, 71%
XYZ	28.2947, 24.8527, 14.6081
YIQ	137.3780, 42.9140, 4.2100

Conversions

Conversions Part 2

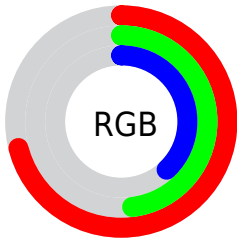
Format	Color
R_{YB}	181, 135, 97
Decimal	11893601
CIE Lab	56.93, 19.50, 23.36
CIE LCh	57, 30.425, 50.151
Yxy	24.8527, 0.4176, 0.3668
Android (android.graphics.Color)	4290083681 (0xFFB57B61)
YUV	137.3780, -19.9064, 38.2565
Hunter-Lab	49.8525, 14.0691, 17.5232

Details

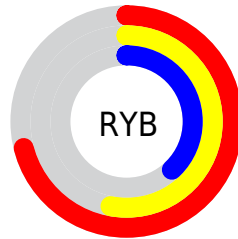
The Yxy color $24.8527, 0.4176, 0.3668$ is a dark color, and the websafe version is hex $CC9966$. A complement of this color would be $29.3045, 0.2441, 0.2863$, and the grayscale version is $25.2314, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.5395, 0.3949, 0.3604$, and $9.5635, 0.4571, 0.3759$ is the 20% darker color. If you saturate the color by 10%, you get $21.6499, 0.4505, 0.3738$, and if you desaturate by 10%, it is $28.5304, 0.3883, 0.3587$.

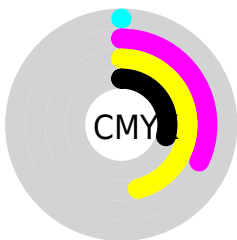
Distribution



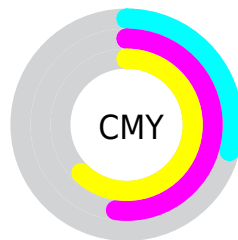
- Red (71%)
- Green (48%)
- Blue (38%)



- Red (71%)
- Yellow (53%)
- Blue (38%)



- Cyan (0%)
- Magenta (32%)
- Yellow (46%)
- Black (29%)





- Cyan (29%)
- Magenta (52%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8527, 0.4176, 0.3668 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 24.8527, 0.4176, 0.3668 by changing the saturation by 10% instead.


 24.8527, 0.4176,
0.3668


 24.8527, 0.4176,
0.3668


277.1036, 0.3594,
0.3483


 15.9673, 0.4341,
0.3708


 51.4182, 0.3950,
0.3604


 9.5010, 0.4563,
0.3754


 69.8671, 0.3870,
0.3579

 5.0694, 0.4876,
0.3798

 92.2726, 0.3803,
0.3557

 2.2880, 0.5427,
0.3881

 119.0191, 0.3748,
0.3538

 0.7674, 0.6215,
0.3785

150.4911, 0.3701,
0.3522

 0.0000, 1.0000,
0.0000

187.0729, 0.3660,

 0.0000, 0.0000,

0.3507

0.0000

229.1490, 0.3625,
0.3494

■ 24.8527, 0.4176,
0.3668

■ 24.8527, 0.4176,
0.3668

■ 21.6499, 0.4505,
0.3738

■ 28.5304, 0.3883,
0.3587

■ 18.8982, 0.4861,
0.3786

■ 32.6983, 0.3630,
0.3502

■ 16.5770, 0.5223,
0.3802


■ 37.3753, 0.3413,
0.3418

■ 14.6626, 0.5561,
0.3773

■ 42.5782, 0.3230,
0.3339


■ 13.1275, 0.5843,
0.3699


■ 48.3232, 0.3075,
0.3264

 12.6599, 0.5935,
0.3670

 54.6256, 0.2944,
0.3195

 61.5002, 0.2833,
0.3132

 68.9610, 0.2738,
0.3075

 76.7043, 0.2683,
0.3074

Harmonies

Analogous

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



24.8527, 0.4016, 0.3255



24.8527, 0.4176, 0.3668



24.8527, 0.4027, 0.4033

Triad

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



24.8527, 0.4176, 0.3668



24.8527, 0.2643, 0.3755



24.8527, 0.2583, 0.2463

Complementary

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



24.8527, 0.4176, 0.3668



29.3045, 0.2441, 0.2863

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.



24.8527, 0.2276, 0.2518



24.8527, 0.4176, 0.3668



24.8527, 0.2305, 0.3227

Square

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



24.8527, 0.4176, 0.3668



24.8527, 0.3127, 0.4148



24.8527, 0.2179, 0.2778



24.8527, 0.3056, 0.2593

Rectangle

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



24.8527, 0.4176, 0.3668



24.8527, 0.3786, 0.4194



24.8527, 0.2179, 0.2778



24.8527, 0.2459, 0.2459

Sweetspot

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



24.8539, 0.4176, 0.3668



68.9007, 0.3370, 0.3401



20.7606, 0.3494, 0.2475



14.4804, 0.3412, 0.3418



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.



24.8539, 0.4176, 0.3668



38.5047, 0.4523, 0.3741



37.3047, 0.3900, 0.4215



8.9206, 0.3280, 0.3361



8.8384, 0.5912, 0.3688



0.3846, 0.5357, 0.4128

Inverse Universe

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



29.3045, 0.2441, 0.2863



47.4061, 0.2308, 0.2747



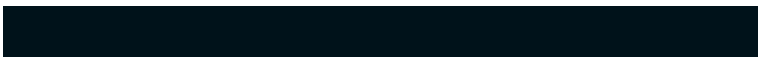
17.8603, 0.2313, 0.2145



9.1783, 0.2986, 0.3218



12.5233, 0.1962, 0.2262



0.4921, 0.2051, 0.2582

Previews

White Background



This preview shows how the Yxy color 24.8527, 0.4176, 0.3668 looks on a white background.

Color Contrast Check

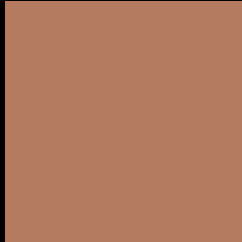
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8527, 0.4176, 0.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

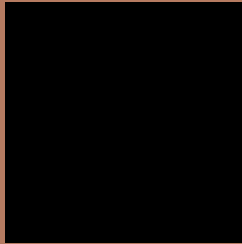
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8527, 0.4176, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 24.8527, 0.4176, 0.3668.



This preview shows how white text looks on a background with the Yxy color 24.8527, 0.4176, 0.3668.

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

24.8527, 0.4176, 0.3668

Protanopia

25.0736, 0.3608, 0.3861

Deuteranopia

24.8454, 0.3925, 0.3857



Tritanopia

24.9425, 0.3838, 0.3164

Trichromacy



Original Color

24.8527, 0.4176, 0.3668

Protanomaly

24.8130, 0.3801, 0.3788

Deuteranomaly

24.8289, 0.4019, 0.3779

Tritanomaly

24.7846, 0.3964, 0.3336

Monochromacy



Original Color

24.8527, 0.4176, 0.3668

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.6800, 0.3485, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8527, 0.4176, 0.3668 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(181, 123, 97)` looks like.

```
.text, #text, p{  
    color:rgb(181, 123, 97)  
}
```

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(181, 123, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 123, 97) }
```

Border

The CSS property to change the border of an element to Yxy 24.8527, 0.4176, 0.3668 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(181, 123, 97) }
```

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

```
.border{ border-color:rgb(181, 123, 97) }
```

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

Here you see how a box with a 4 pixel rgb(181, 123, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 123, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 123, 97);  
box-shadow:4px 4px 4px 4px rgb(181, 123,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8527, 0.4176, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 123, 97) }
```

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

```
.background{ background-color: rgb(181,  
123, 97) }
```

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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