

Converting Colors

$Y_{xy}(28.6407, 0.3886, 0.3764)$

Have a look what the booklet for
Yxy(28.6407, 0.3886, 0.3764)
contains.

Yxy(28.6407, 0.3886, 0.3764)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6407, 0.3886, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	AF8B6B
RGB	175, 139, 107
RGB Percent	69%, 55%, 42%
CMY	0.3137, 0.4549, 0.5804
CMYK	0.00, 0.21, 0.39, 0.31
HSL	28°, 30%, 55%
HSV	28°, 39%, 69%
XYZ	29.5690, 28.6407, 17.8814
YIQ	146.1160, 31.7280, -2.3200

Conversions

Conversions Part 2

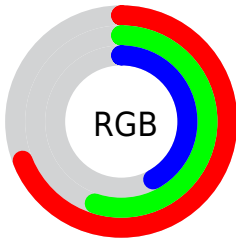
Format	Color
R_{YB}	175, 167, 107
Decimal	11504491
CIE Lab	60.46, 9.21, 22.31
CIE LCh	60, 24.136, 67.564
Yxy	28.6407, 0.3886, 0.3764
Android (android.graphics.Color)	4289694571 (0xFFAF8B6B)
YUV	146.1160, -19.2842, 25.3313
Hunter-Lab	53.5170, 4.9694, 17.6516

Details

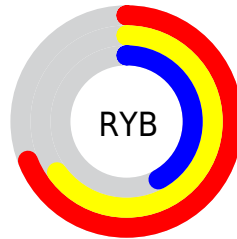
The Yxy color $28.6407, 0.3886, 0.3764$ is a dark color, and the websafe version is hex `CC9966`. A complement of this color would be $25.8760, 0.2519, 0.2758$, and the grayscale version is $28.8668, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.3583, 0.3730, 0.3664$, and $11.5255, 0.4153, 0.3908$ is the 20% darker color. If you saturate the color by 10%, you get $25.7386, 0.4142, 0.3883$, and if you desaturate by 10%, it is $31.8478, 0.3654, 0.3638$.

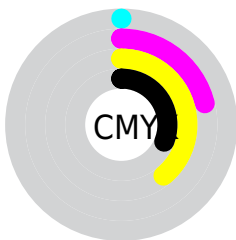
Distribution



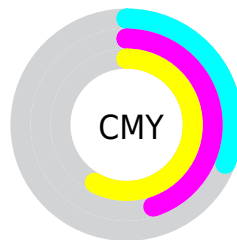
- Red (69%)
- Green (55%)
- Blue (42%)



- Red (69%)
- Yellow (65%)
- Blue (42%)



- Cyan (0%)
- Magenta (21%)
- Yellow (39%)
- Black (31%)





- Cyan (31%)
- Magenta (45%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6407, 0.3886, 0.3764 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 28.6407, 0.3886, 0.3764 by changing the saturation by 10% instead.


 28.6407, 0.3886,
0.3764


 28.6407, 0.3886,
0.3764


295.5159, 0.3475,
0.3519

 18.8092, 0.3999,
0.3826


 57.5057, 0.3729,
0.3674

 11.5325, 0.4148,
0.3904


 77.3080, 0.3673,
0.3640

 6.4262, 0.4357,
0.4005


 101.2027, 0.3626,
0.3612

 3.1059, 0.4660,
0.4133

 129.5742, 0.3586,
0.3588

 1.1873, 0.5454,
0.4546

162.8069, 0.3552,
0.3567

 0.0513, 0.8422,
0.1578

201.2851, 0.3523,

 0.0000, 0.0000,

0.3549

0.0000

245.3933, 0.3498,
0.3533

■ 28.6407, 0.3886,
0.3764

■ 28.6407, 0.3886,
0.3764

■ 25.7386, 0.4142,
0.3883

■ 31.8478, 0.3654,
0.3638

■ 23.1271, 0.4418,
0.3988

■ 35.3653, 0.3448,
0.3513

■ 20.7969, 0.4704,
0.4065


■ 39.2036, 0.3268,
0.3392


■ 18.7361, 0.4984,
0.4103


■ 43.3715, 0.3110,
0.3277


■ 16.9318, 0.5241,
0.4091

■ 47.8773, 0.2974,
0.3171


 15.3649, 0.5463,
0.4032

 52.7288, 0.2855,
0.3072

 15.1991, 0.5488,
0.4025

 57.9338, 0.2752,
0.2982

 63.4997, 0.2662,
0.2899

 68.8049, 0.2633,
0.2923

Harmonies

Analogous

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



28.6407, 0.3897, 0.3461



28.6407, 0.3886, 0.3764



28.6407, 0.3663, 0.3968

Triad

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



28.6407, 0.3886, 0.3764



28.6407, 0.2590, 0.3416



28.6407, 0.2914, 0.2689

Complementary

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



28.6407, 0.3886, 0.3764



25.8760, 0.2519, 0.2758

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.



28.6407, 0.2592, 0.2650



28.6407, 0.3886, 0.3764



28.6407, 0.2415, 0.3040

Square

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



28.6407, 0.3886, 0.3764



28.6407, 0.2910, 0.3779



28.6407, 0.2416, 0.2767



28.6407, 0.3315, 0.2865

Rectangle

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



28.6407, 0.3886, 0.3764



28.6407, 0.3432, 0.4005



28.6407, 0.2416, 0.2767



28.6407, 0.2794, 0.2660

Sweetspot

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



28.6420, 0.3886, 0.3764



67.8298, 0.3325, 0.3432



21.6248, 0.3564, 0.2760



14.8806, 0.3348, 0.3447



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.6420, 0.3886, 0.3764



46.6057, 0.4114, 0.3872



39.9698, 0.3710, 0.4209



8.6132, 0.3275, 0.3397



11.0033, 0.5469, 0.4039



0.4162, 0.4988, 0.4422

Inverse Universe

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



25.8760, 0.2519, 0.2758



40.9139, 0.2380, 0.2609



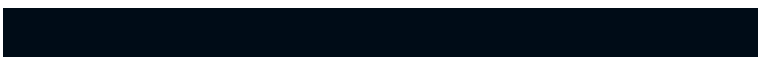
17.2181, 0.2431, 0.2169



8.4330, 0.2986, 0.3181



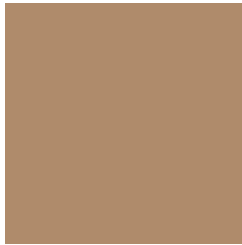
7.9080, 0.1807, 0.1703



0.3284, 0.1953, 0.2231

Previews

White Background



This preview shows how the Yxy color 28.6407, 0.3886, 0.3764 looks on a white background.

Color Contrast Check

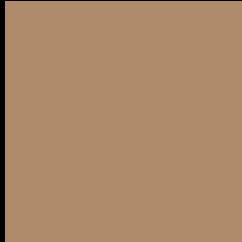
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6407, 0.3886, 0.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

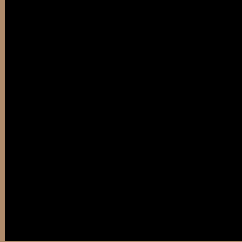
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6407, 0.3886, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 28.6407, 0.3886, 0.3764.



This preview shows how white text looks on a background with the Yxy color 28.6407, 0.3886, 0.3764.

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

28.6407, 0.3886, 0.3764

Protanopia

28.7515, 0.3601, 0.3862

Deuteranopia

28.7019, 0.3857, 0.3783



Tritanopia

28.6475, 0.3532, 0.3147

Trichromacy



Original Color

28.6407, 0.3886, 0.3764

Protanomaly

28.5356, 0.3704, 0.3818

Deuteranomaly

28.8164, 0.3869, 0.3781

Tritanomaly

28.7120, 0.3663, 0.3364

Monochromacy



Original Color

28.6407, 0.3886, 0.3764

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.4790, 0.3392, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6407, 0.3886, 0.3764 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(175, 139, 107)` looks like.

```
.text, #text, p{  
    color:rgb(175, 139, 107)  
}
```

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(175, 139, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 139, 107) }
```

Border

The CSS property to change the border of an element to Yxy 28.6407, 0.3886, 0.3764 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(175, 139, 107) }
```

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

```
.border{ border-color:rgb(175, 139, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 139, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 139, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 139, 107);  
box-shadow:4px 4px 4px 4px rgb(175, 139,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6407, 0.3886, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 139, 107) }
```

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

```
.background{ background-color: rgb(175,  
139, 107) }
```

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