

Converting Colors

$Y_{xy}(27.7884, 0.3760, 0.3624)$

Have a look what the booklet for
Yxy(27.7884, 0.3760, 0.3624)
contains.

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Color

Yxy(27.7871, 0.3760, 0.3624)

Conversions

Conversions Part 1

Format	Color
Hex	AB8973
RGB	171, 137, 115
RGB Percent	67%, 54%, 45%
CMY	0.3295, 0.4627, 0.5491
CMYK	0.00, 0.20, 0.33, 0.33
HSL	24°, 25%, 56%
HSV	24°, 33%, 67%
XYZ	28.8299, 27.7871, 20.0582
YIQ	144.6580, 27.3260, 0.3660

Conversions

Conversions Part 2

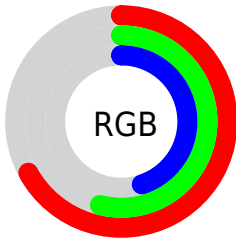
Format	Color
R_{YB}	171, 151, 115
Decimal	11241843
CIE Lab	59.70, 9.67, 16.71
CIE LCh	60, 19.308, 59.938
Yxy	27.7871, 0.3760, 0.3624
Android (android.graphics.Color)	4289431923 (0xFFAB8973)
YUV	144.6580, -14.6214, 23.1019
Hunter-Lab	52.7135, 5.3761, 14.3387

Details

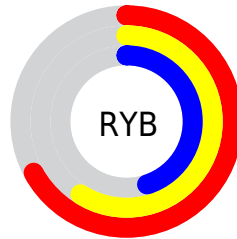
The Yxy color $27.7871, 0.3760, 0.3624$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $28.0597, 0.2625, 0.2928$, and the grayscale version is $28.2210, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.9478, 0.3626, 0.3555$, and $11.0732, 0.3993, 0.3718$ is the 20% darker color. If you saturate the color by 10%, you get $24.6223, 0.4018, 0.3729$, and if you desaturate by 10%, it is $31.3108, 0.3534, 0.3518$.

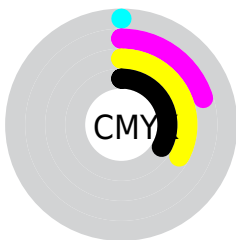
Distribution



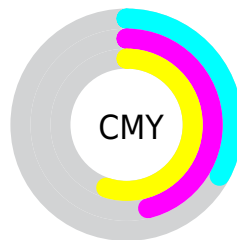
- Red (67%)
- Green (54%)
- Blue (45%)



- Red (67%)
- Yellow (59%)
- Blue (45%)



- Cyan (0%)
- Magenta (20%)
- Yellow (33%)
- Black (33%)





- Cyan (33%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7871, 0.3760, 0.3624 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 27.7871, 0.3760, 0.3624 by changing the saturation by 10% instead.


 27.7871, 0.3760,
0.3624


 27.7871, 0.3760,
0.3624


291.4482, 0.3414,
0.3450


 18.1652, 0.3857,
0.3669


 56.1444, 0.3627,
0.3560

 11.0687, 0.3987,
0.3726


 75.6485, 0.3579,
0.3536

 6.1130, 0.4173,
0.3802


 99.2156, 0.3540,
0.3516

 2.9139, 0.4454,
0.3903

127.2300, 0.3507,
0.3499

 1.0870, 0.5498,
0.4500

160.0760, 0.3479,
0.3484

 0.0000, 1.0000,
0.0000

198.1381, 0.3454,

 0.0000, 0.0000,

0.3471

0.0000

241.8007, 0.3433,
0.3460

■ 27.7871, 0.3760,
0.3624

■ 27.7871, 0.3760,
0.3624

■ 24.6223, 0.4018,
0.3729

■ 31.3108, 0.3534,
0.3518

■ 21.8007, 0.4306,
0.3825

■ 35.2010, 0.3338,
0.3414

■ 19.3107, 0.4617,
0.3902

■ 39.4698, 0.3169,
0.3316

■ 17.1387, 0.4939,
0.3949


■ 44.1275, 0.3025,
0.3224


■ 15.2697, 0.5251,
0.3954

■ 49.1841, 0.2901,
0.3140

 13.6874, 0.5527,
0.3907

 54.6490, 0.2794,
0.3062

 12.7026, 0.5705,
0.3852

 60.5316, 0.2702,
0.2991

 66.8407, 0.2623,
0.2927

 72.6597, 0.2622,
0.3013

Harmonies

Analogous

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



27.7871, 0.3719, 0.3368



27.7871, 0.3760, 0.3624



27.7871, 0.3623, 0.3811

Triad

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



27.7871, 0.3760, 0.3624



27.7871, 0.2749, 0.3472



27.7871, 0.2880, 0.2777

Complementary

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



27.7871, 0.3760, 0.3624



28.0597, 0.2625, 0.2928

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.



27.7871, 0.2642, 0.2780



27.7871, 0.3760, 0.3624



27.7871, 0.2569, 0.3165

Square

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



27.7871, 0.3760, 0.3624



27.7871, 0.3034, 0.3737



27.7871, 0.2531, 0.2914



27.7871, 0.3197, 0.2896

Rectangle

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



27.7871, 0.3760, 0.3624



27.7871, 0.3454, 0.3863



27.7871, 0.2531, 0.2914



27.7871, 0.2789, 0.2764

Sweetspot

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



27.7884, 0.3760, 0.3624



64.9649, 0.3292, 0.3388



23.0991, 0.3416, 0.2780



14.2612, 0.3316, 0.3402



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.



27.7884, 0.3760, 0.3624



45.7800, 0.3936, 0.3697



36.6021, 0.3638, 0.4006



8.5130, 0.3277, 0.3380



9.6755, 0.5688, 0.3866



0.3776, 0.5134, 0.4306

Inverse Universe

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



28.0597, 0.2625, 0.2928



46.3268, 0.2521, 0.2838



20.3835, 0.2567, 0.2455



8.5349, 0.2986, 0.3199



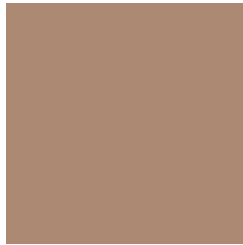
9.7412, 0.1880, 0.1969



0.3736, 0.2004, 0.2414

Previews

White Background



This preview shows how the Yxy color 27.7871, 0.3760, 0.3624 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 27.7871, 0.3760, 0.3624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

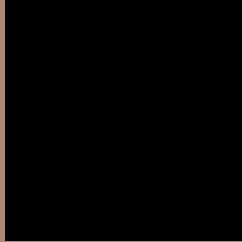
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7871, 0.3760, 0.3624

Background



This preview shows how black text looks on a background with the Yxy color 27.7871, 0.3760, 0.3624.



This preview shows how white text looks on a background with the Yxy color 27.7871, 0.3760, 0.3624.

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

27.7871, 0.3760, 0.3624

Protanopia

27.9299, 0.3480, 0.3711

Deuteranopia

27.7396, 0.3720, 0.3643



Tritanopia

27.7569, 0.3489, 0.3144

Trichromacy



Original Color

27.7871, 0.3760, 0.3624

Protanomaly

27.7050, 0.3581, 0.3670

Deuteranomaly

27.8498, 0.3732, 0.3641

Tritanomaly

27.6279, 0.3589, 0.3306

Monochromacy



Original Color

27.7871, 0.3760, 0.3624

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.9373, 0.3340, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7871, 0.3760, 0.3624 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(171, 137, 115)` looks like.

```
.text, #text, p{  
    color:rgb(171, 137, 115)  
}
```

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(171, 137, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 137, 115) }
```

Border

The CSS property to change the border of an element to Yxy 27.7871, 0.3760, 0.3624 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(171, 137, 115) }
```

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

```
.border{ border-color:rgb(171, 137, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 137, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 137, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 137, 115);  
box-shadow:4px 4px 4px 4px rgb(171, 137,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7871, 0.3760, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 137, 115) }
```

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

```
.background{ background-color: rgb(171,  
137, 115) }
```

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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