

# Converting Colors

$Yxy(24.1402, 0.3879, 0.3496)$

Have a look what the booklet for  
Yxy(24.1402, 0.3879, 0.3496)  
contains.

<b>Yxy(24.1990, 0.3885, 0.3506)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(24.1990, 0.3885, 0.3506)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB7C6E
RGB	171, 124, 110
RGB Percent	67%, 49%, 43%
CMY	0.3294, 0.5137, 0.5686
CMYK	0.00, 0.27, 0.36, 0.33
HSL	14°, 27%, 55%
HSV	14°, 36%, 67%
XYZ	26.8149, 24.1990, 18.0078
YIQ	136.4570, 32.5060, 5.6100

# Conversions

## Conversions Part 2

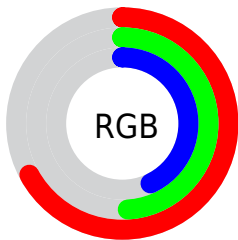
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 128, 110
Decimal	11238510
CIELab	56.29, 16.35, 14.85
CIELCh	56, 22.088, 42.245
Yxy	24.1990, 0.3885, 0.3506
Android (android.graphics.Color)	4289428590 (0xFFAB7C6E)
YUV	136.4570, -13.0433, 30.2942
Hunter-Lab	49.1925, 11.2139, 12.7306

# Details

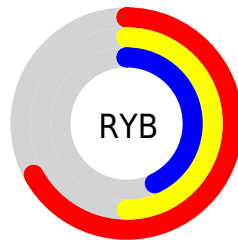
The Yxy color **24.1990, 0.3885, 0.3506** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.3606, 0.2604, 0.3060**, and the grayscale version is **24.8421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5469, 0.3718, 0.3465**, and **9.1619, 0.4181, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **20.7790, 0.4193, 0.3566**, and if you desaturate by 10%, it is **28.1341, 0.3622, 0.3443**.

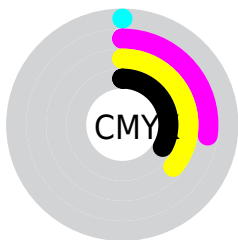
# Distribution



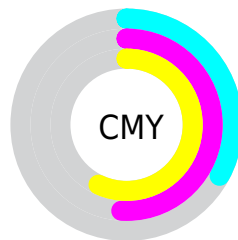
- Red (67%)
- Green (49%)
- Blue (43%)



- Red (67%)
- Yellow (50%)
- Blue (43%)



- Cyan (0%)
- Magenta (27%)
- Yellow (36%)
- Black (33%)




- Cyan (33%)
- Magenta (51%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1990, 0.3885, 0.3506 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 24.1990, 0.3885, 0.3506 by changing the saturation by 10% instead.




 24.1990, 0.3885,  
0.3506


 24.1990, 0.3885,  
0.3506


273.8250, 0.3461,  
0.3398


 15.4813, 0.4008,  
0.3532


 50.3547, 0.3719,  
0.3467


 9.1579, 0.4177,  
0.3562


 68.5616, 0.3660,  
0.3452

 4.8443, 0.4425,  
0.3597

 90.7003, 0.3612,  
0.3440

 2.1562, 0.4814,  
0.3629

 117.1552, 0.3572,  
0.3429

 0.6960, 0.6082,  
0.3918

148.3107, 0.3538,  
0.3420

 0.0000, 1.0000,  
0.0000

184.5513, 0.3509,

 0.0000, 0.0000,

0.3411

0.0000

226.2612, 0.3483,  
0.3404

■ 24.1990, 0.3885,  
0.3506

■ 24.1990, 0.3885,  
0.3506

■ 20.7790, 0.4193,  
0.3566

■ 28.1341, 0.3622,  
0.3443

■ 17.8493, 0.4545,  
0.3618

■ 32.6010, 0.3402,  
0.3381

■ 15.3877, 0.4932,  
0.3651


■ 37.6200, 0.3218,  
0.3322


■ 13.3694, 0.5328,  
0.3657

■ 43.2093, 0.3064,  
0.3267

■ 11.7669, 0.5698,  
0.3627

■ 49.3862, 0.2936,  
0.3216


 10.5488, 0.5997,  
0.3560

 56.1671, 0.2829,  
0.3170

 10.1268, 0.6110,  
0.3530

 63.5681, 0.2738,  
0.3129

 71.6044, 0.2662,  
0.3091

 79.7051, 0.2639,  
0.3151

# Harmonies

## Analogous

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



24.1990, 0.3709, 0.3192



24.1990, 0.3885, 0.3506



24.1990, 0.3841, 0.3790

# Triad

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



24.1990, 0.3885, 0.3506



24.1990, 0.2862, 0.3714



24.1990, 0.2649, 0.2665

# Complementary

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



24.1990, 0.3885, 0.3506



30.3606, 0.2604, 0.3060

# 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.



24.1990, 0.2453, 0.2756



24.1990, 0.3885, 0.3506



24.1990, 0.2569, 0.3353

# Square

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



24.1990, 0.3885, 0.3506



24.1990, 0.3238, 0.3945



24.1990, 0.2425, 0.2999



24.1990, 0.2979, 0.2726



# Rectangle

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



24.1990, 0.3885, 0.3506



24.1990, 0.3697, 0.3923



24.1990, 0.2425, 0.2999



24.1990, 0.2567, 0.2678

# Sweetspot

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



24.2002, 0.3885, 0.3506



62.2947, 0.3315, 0.3354



22.2686, 0.3323, 0.2594



13.6330, 0.3340, 0.3362



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.



24.2002, 0.3885, 0.3506



38.3207, 0.4131, 0.3555



32.7977, 0.3733, 0.3935



8.3029, 0.3281, 0.3343



7.7035, 0.6094, 0.3543



0.2960, 0.5525, 0.3995



# Inverse Universe

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



30.3606, 0.2604, 0.3060



51.0134, 0.2497, 0.2999



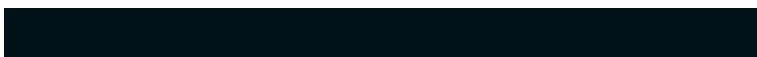
21.5051, 0.2534, 0.2546



8.7553, 0.2986, 0.3237



14.6805, 0.2040, 0.2544



0.4839, 0.2110, 0.2795



# Previews

## White Background



This preview shows how the Yxy color 24.1990, 0.3885, 0.3506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

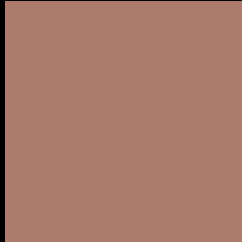
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.1990, 0.3885, 0.3506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

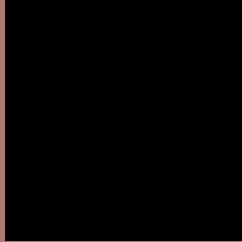
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.1990, 0.3885, 0.3506**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.1990, 0.3885, 0.3506.



This preview shows how white text looks on a background with the Yxy color 24.1990, 0.3885, 0.3506.

# 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

24.1990, 0.3885, 0.3506

### Protanopia

24.3165, 0.3423, 0.3633

### Deuteranopia

24.2375, 0.3694, 0.3632



## Tritanopia

24.1707, 0.3670, 0.3156

# Trichromacy



## Original Color

24.1990, 0.3885, 0.3506

## Protanomaly

24.1972, 0.3593, 0.3588

## Deuteranomaly

24.2239, 0.3765, 0.3594

## Tritanomaly

24.1198, 0.3742, 0.3277

# Monochromacy



## Original Color

24.1990, 0.3885, 0.3506

## Achromatopsia

24.6201, 0.3127, 0.3290

## Achromatomaly

24.4244, 0.3381, 0.3373

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.1990, 0.3885, 0.3506 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, 124, 110)` looks like.

```
.text, #text, p{  
    color:rgb(171, 124, 110)  
}
```

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, 124, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 124, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 24.1990, 0.3885, 0.3506 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, 124, 110) }
```

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

```
.border{ border-color:rgb(171, 124, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 124, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 124, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 124, 110);  
box-shadow:4px 4px 4px 4px rgb(171, 124,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.1990, 0.3885, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 124, 110) }
```

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

```
.background{ background-color: rgb(171,  
124, 110) }
```

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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