

# Converting Colors

$Yxy(30.7457, 0.3709, 0.3528)$

Have a look what the booklet for  
Yxy(30.7457, 0.3709, 0.3528)  
contains.

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# Color

**Yxy(30.8546, 0.3715, 0.3536)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B48F7E
RGB	180, 143, 126
RGB Percent	71%, 56%, 49%
CMY	0.2940, 0.4392, 0.5059
CMYK	0.00, 0.21, 0.30, 0.29
HSL	19°, 26%, 60%
HSV	19°, 30%, 71%
XYZ	32.4165, 30.8546, 23.9874
YIQ	152.1250, 27.5090, 2.5570

# Conversions

## Conversions Part 2

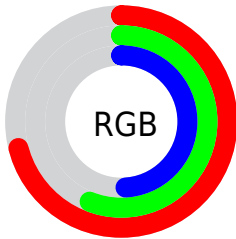
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 151, 126
Decimal	11833214
CIELab	62.38, 11.47, 14.35
CIELCh	62, 18.376, 51.365
Yxy	30.8546, 0.3715, 0.3536
Android (android.graphics.Color)	4290023294 (0xFFB48F7E)
YUV	152.1250, -12.8796, 24.4464
Hunter-Lab	55.5469, 6.9634, 13.2791

# Details

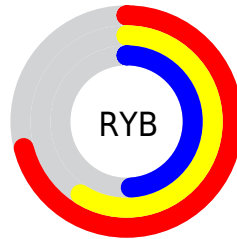
The Yxy color **30.8546, 0.3715, 0.3536** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **33.9437, 0.2673, 0.3029**, and the grayscale version is **31.5058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1917, 0.3594, 0.3490**, and **12.8001, 0.3913, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **26.9282, 0.3981, 0.3621**, and if you desaturate by 10%, it is **35.2753, 0.3486, 0.3450**.

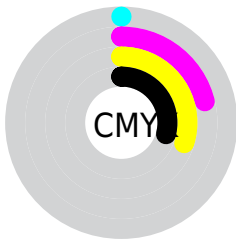
# Distribution



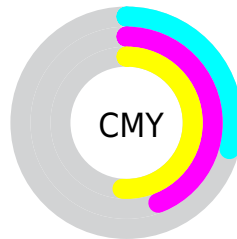
- Red (71%)
- Green (56%)
- Blue (49%)



- Red (71%)
- Yellow (59%)
- Blue (49%)



- Cyan (0%)
- Magenta (21%)
- Yellow (30%)
- Black (29%)




- Cyan (29%)
- Magenta (44%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8546, 0.3715, 0.3536 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 30.8546, 0.3715, 0.3536 by changing the saturation by 10% instead.





 30.8546, 0.3715,  
0.3536


 30.8546, 0.3715,  
0.3536


305.8679, 0.3399,  
0.3411

 20.4882, 0.3802,  
0.3567


 61.0111, 0.3594,  
0.3491

 12.7504, 0.3918,  
0.3606


 81.5699, 0.3551,  
0.3474

 7.2569, 0.4082,  
0.3658


 106.2950, 0.3515,  
0.3459

 3.6233, 0.4328,  
0.3724

135.5707, 0.3484,  
0.3447

 1.4651, 0.4825,  
0.3879

169.7815, 0.3458,  
0.3436

 0.2640, 0.6679,  
0.3321

209.3116, 0.3435,

 0.0000, 0.0000,

0.3427

0.0000

254.5457, 0.3416,  
0.3419

■ 30.8546, 0.3715,  
0.3536

■ 30.8546, 0.3715,  
0.3536

■ 26.9282, 0.3981,  
0.3621

■ 35.2753, 0.3486,  
0.3450

■ 23.4742, 0.4286,  
0.3701

■ 40.2027, 0.3292,  
0.3368

■ 20.4752, 0.4625,  
0.3765


■ 45.6540, 0.3127,  
0.3290

■ 17.9112, 0.4983,  
0.3804


■ 51.6446, 0.2988,  
0.3218


■ 15.7604, 0.5339,  
0.3805

■ 58.1889, 0.2871,  
0.3152

 13.9987, 0.5658,  
0.3761

 65.3008, 0.2770,  
0.3092

 12.5941, 0.5923,  
0.3679

 72.9939, 0.2685,  
0.3037

 80.2747, 0.2685,  
0.3144

 87.8614, 0.2700,  
0.3279

# Harmonies

## Analogous

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



30.8546, 0.3629, 0.3292



30.8546, 0.3715, 0.3536



30.8546, 0.3634, 0.3731

# Triad

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



30.8546, 0.3715, 0.3536



30.8546, 0.2847, 0.3535



30.8546, 0.2828, 0.2805

# Complementary

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



30.8546, 0.3715, 0.3536



33.9437, 0.2673, 0.3029

# 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.



30.8546, 0.2637, 0.2843



30.8546, 0.3715, 0.3536



30.8546, 0.2647, 0.3255

# Square

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



30.8546, 0.3715, 0.3536



30.8546, 0.3127, 0.3747



30.8546, 0.2573, 0.3002



30.8546, 0.3106, 0.2884



# Rectangle

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



30.8546, 0.3715, 0.3536



30.8546, 0.3500, 0.3804



30.8546, 0.2573, 0.3002



30.8546, 0.2752, 0.2804

# Sweetspot

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



30.8560, 0.3715, 0.3536



73.6745, 0.3277, 0.3361



27.3044, 0.3336, 0.2762



15.6313, 0.3302, 0.3372



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.



30.8560, 0.3715, 0.3536



51.1252, 0.3887, 0.3593



39.6741, 0.3612, 0.3891



8.9268, 0.3279, 0.3362



8.8946, 0.5901, 0.3697



0.3871, 0.5347, 0.4137



# Inverse Universe

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



33.9437, 0.2673, 0.3029



57.6078, 0.2576, 0.2962



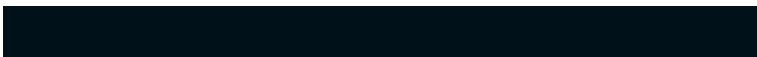
25.5704, 0.2626, 0.2606



9.1718, 0.2986, 0.3217



12.3823, 0.1957, 0.2246



0.4884, 0.2048, 0.2571



# Previews

## White Background



This preview shows how the Yxy color 30.8546, 0.3715, 0.3536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

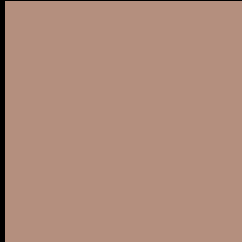
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.8546, 0.3715, 0.3536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

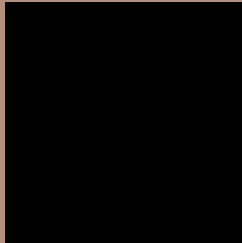
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.8546, 0.3715, 0.3536**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.8546, 0.3715, 0.3536.



This preview shows how white text looks on a background with the Yxy color 30.8546, 0.3715, 0.3536.

# 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

30.8546, 0.3715, 0.3536

### Protanopia

31.1159, 0.3415, 0.3615

### Deuteranopia

30.8711, 0.3651, 0.3570



## Tritanopia

30.7345, 0.3497, 0.3137

# Trichromacy



## Original Color

30.8546, 0.3715, 0.3536

## Protanomaly

30.9803, 0.3520, 0.3577

## Deuteranomaly

30.8000, 0.3677, 0.3554

## Tritanomaly

30.6243, 0.3582, 0.3277

# Monochromacy



## Original Color

30.8546, 0.3715, 0.3536

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

31.1594, 0.3321, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.8546, 0.3715, 0.3536 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, 143, 126)` looks like.

```
.text, #text, p{  
    color:rgb(180, 143, 126)  
}
```

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, 143, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 143, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 30.8546, 0.3715, 0.3536 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, 143, 126) }
```

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

```
.border{ border-color:rgb(180, 143, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 143, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 143, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 143, 126);  
box-shadow:4px 4px 4px 4px rgb(180, 143,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.8546, 0.3715, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 143, 126) }
```

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

```
.background{ background-color: rgb(180,  
143, 126) }
```

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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