

# Converting Colors

$Y_{xy}(30.4025, 0.4036, 0.4126)$

Have a look what the booklet for  
Yxy(30.4025, 0.4036, 0.4126)  
contains.

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# Color

**Yxy(30.3763, 0.4037, 0.4126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF9258
RGB	175, 146, 88
RGB Percent	69%, 57%, 35%
CMY	0.3137, 0.4274, 0.6550
CMYK	0.00, 0.17, 0.50, 0.31
HSL	40°, 35%, 52%
HSV	40°, 50%, 69%
XYZ	29.7211, 30.3763, 13.5243
YIQ	148.0590, 35.9020, -11.8900

# Conversions

## Conversions Part 2

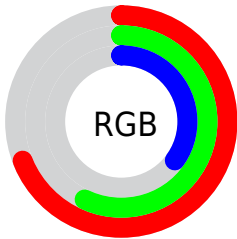
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">132, 175, 88</a>
Decimal	<a href="#">11506264</a>
CIELab	<a href="#">61.98, 3.26, 34.66</a>
CIELCh	<a href="#">62, 34.809, 84.620</a>
Yxy	<a href="#">30.3763, 0.4037, 0.4126</a>
Android (android.graphics.Color)	<a href="#">4289696344 (0xFFAF9258)</a>
YUV	<a href="#">148.0590, -29.6091, 23.6273</a>
Hunter-Lab	<a href="#">55.1147, -0.1931, 24.0314</a>

# Details

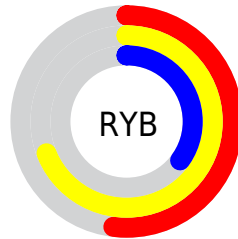
The Yxy color **30.3763, 0.4037, 0.4126** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.8900, 0.2292, 0.2262**, and the grayscale version is **29.7553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3284, 0.3857, 0.3971**, and **12.5120, 0.4305, 0.4375** is the 20% darker color. If you saturate the color by 10%, you get **28.3687, 0.4245, 0.4270**, and if you desaturate by 10%, it is **32.5482, 0.3831, 0.3963**.

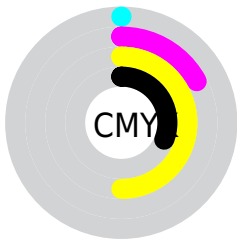
# Distribution



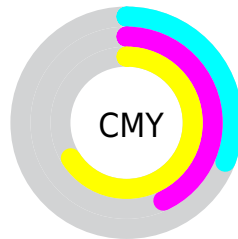
- Red (69%)
- Green (57%)
- Blue (35%)



- Red (52%)
- Yellow (69%)
- Blue (35%)



- Cyan (0%)
- Magenta (17%)
- Yellow (50%)
- Black (31%)



- Cyan (31%)
- Magenta (43%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3763, 0.4037, 0.4126 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 30.3763, 0.4037, 0.4126 by changing the saturation by 10% instead.





 30.3763, 0.4037,  
0.4126


 30.3763, 0.4037,  
0.4126


303.6546, 0.3560,  
0.3695


 20.1244, 0.4158,  
0.4232


 60.2568, 0.3861,  
0.3969


 12.4855, 0.4312,  
0.4363


 80.6541, 0.3795,  
0.3910

 7.0752, 0.4508,  
0.4525


 105.2021, 0.3740,  
0.3860

 3.5092, 0.4865,  
0.4824

 134.2850, 0.3693,  
0.3817

 1.4030, 0.5073,  
0.4927

 168.2873, 0.3653,  
0.3781

 0.2189, 0.5679,  
0.4321

207.5934, 0.3618,

 0.0000, 0.0000,

0.3748

0.0000

252.5877, 0.3587,  
0.3720

■ 30.3763, 0.4037,  
0.4126

■ 30.3763, 0.4037,  
0.4126

■ 28.3687, 0.4245,  
0.4270

■ 32.5482, 0.3831,  
0.3963

■ 26.5146, 0.4447,  
0.4384

■ 34.8860, 0.3633,  
0.3791

■ 24.8084, 0.4633,  
0.4459

■ 37.3966, 0.3448,  
0.3618

■ 23.2419, 0.4792,  
0.4485

■ 40.0851, 0.3277,  
0.3448

■ 21.7997, 0.4925,  
0.4469

■ 42.9563, 0.3123,  
0.3286

■ 21.7621, 0.4929,  
0.4468

■ 46.0150, 0.2985,  
0.3133

■ 49.2654, 0.2861,  
0.2991

■ 52.7119, 0.2750,  
0.2860

■ 56.3585, 0.2652,  
0.2740

# Harmonies

## Analogous

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



30.3763, 0.4245, 0.3750



30.3763, 0.4037, 0.4126



30.3763, 0.3590, 0.4311

# Triad

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



30.3763, 0.4037, 0.4126



30.3763, 0.2217, 0.3138



30.3763, 0.3134, 0.2586

# Complementary

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



30.3763, 0.4037, 0.4126



17.8900, 0.2292, 0.2262

# 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.



30.3763, 0.2611, 0.2420



30.3763, 0.4037, 0.4126



30.3763, 0.2120, 0.2685

# Square

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



30.3763, 0.4037, 0.4126



30.3763, 0.2542, 0.3708



30.3763, 0.2257, 0.2445



30.3763, 0.3702, 0.2902



# Rectangle

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



30.3763, 0.4037, 0.4126



30.3763, 0.3226, 0.4258



30.3763, 0.2257, 0.2445



30.3763, 0.2947, 0.2511

# Sweetspot

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



30.3777, 0.4037, 0.4126



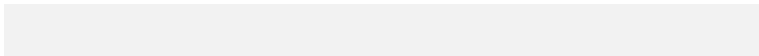
69.0769, 0.3370, 0.3541



17.4100, 0.3996, 0.2844



15.1344, 0.3405, 0.3576



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.



30.3777, 0.4037, 0.4126



50.3494, 0.4272, 0.4287



39.0465, 0.3714, 0.4534



8.8735, 0.3270, 0.3441



15.6984, 0.4918, 0.4477



0.5317, 0.4650, 0.4690



# Inverse Universe

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



17.8900, 0.2292, 0.2262



25.4131, 0.2099, 0.1977



12.8403, 0.2318, 0.1793



8.1772, 0.2986, 0.3135



4.5108, 0.1641, 0.1107

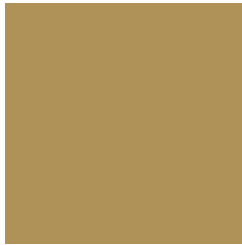


0.2277, 0.1818, 0.1746



# Previews

## White Background



This preview shows how the Yxy color 30.3763, 0.4037, 0.4126 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 30.3763, 0.4037, 0.4126 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 30.3763, 0.4037, 0.4126**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.3763, 0.4037, 0.4126.



This preview shows how white text looks on a background with the Yxy color 30.3763, 0.4037, 0.4126.

# 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

30.3763, 0.4037, 0.4126

### Protanopia

30.4265, 0.3876, 0.4209

### Deuteranopia

30.3113, 0.4128, 0.4047



## Tritanopia

30.4589, 0.3486, 0.3150

# Trichromacy



## Original Color

30.3763, 0.4037, 0.4126

## Protanomaly

30.5410, 0.3927, 0.4179

## Deuteranomaly

30.2515, 0.4087, 0.4071

## Tritanomaly

30.4620, 0.3697, 0.3509

# Monochromacy



## Original Color

30.3763, 0.4037, 0.4126

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

29.6429, 0.3455, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.3763, 0.4037, 0.4126 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, 146, 88)` looks like.

```
.text, #text, p{  
    color:rgb(175, 146, 88)  
}
```

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, 146, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 146, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 30.3763, 0.4037, 0.4126 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, 146, 88) }
```

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

```
.border{ border-color:rgb(175, 146, 88) }
```

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

Here you see how a box with a 4 pixel rgb(175, 146, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 146, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 146, 88);  
box-shadow:4px 4px 4px 4px rgb(175, 146,  
88) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 30.3763, 0.4037, 0.4126$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 146, 88) }
```

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

```
.background{ background-color: rgb(175,  
146, 88) }
```

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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