

# Converting Colors

$Yxy(37.6606, 0.3775, 0.3530)$

Have a look what the booklet for  
Yxy(37.6606, 0.3775, 0.3530)  
contains.

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# Color

**Yxy(37.6663, 0.3776, 0.3527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C99B89
RGB	201, 155, 137
RGB Percent	79%, 61%, 54%
CMY	0.2117, 0.3922, 0.4628
CMYK	0.00, 0.23, 0.32, 0.21
HSL	17°, 37%, 66%
HSV	17°, 32%, 79%
XYZ	40.3255, 37.6663, 28.8024
YIQ	166.7020, 33.1940, 4.1540

# Conversions

## Conversions Part 2

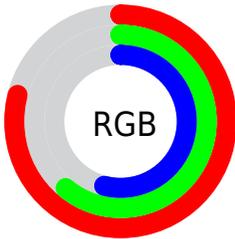
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 162, 137
Decimal	13212553
CIE <sub>Lab</sub>	67.77, 14.61, 16.05
CIE <sub>LCh</sub>	68, 21.707, 47.685
Yxy	37.6663, 0.3776, 0.3527
Android (android.graphics.Color)	4291402633 (0xFFC99B89)
YUV	166.7020, -14.6431, 30.0793
Hunter-Lab	61.3729, 9.8821, 15.1361

# Details

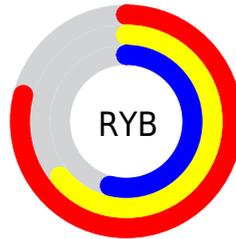
The Yxy color  $37.6663, 0.3776, 0.3527$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $43.3966, 0.2646, 0.3038$ , and the grayscale version is  $38.5520, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $71.0709, 0.3621, 0.3497$ , and  $16.6997, 0.3985, 0.3592$  is the 20% darker color. If you saturate the color by 10%, you get  $32.6205, 0.4060, 0.3603$ , and if you desaturate by 10%, it is  $43.3981, 0.3533, 0.3449$ .

# Distribution



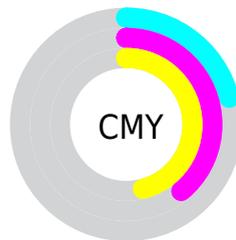
- Red (79%)
- Green (61%)
- Blue (54%)



- Red (79%)
- Yellow (64%)
- Blue (54%)



- Cyan (0%)
- Magenta (23%)
- Yellow (32%)
- Black (21%)



- Cyan (21%)
- Magenta (39%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6663, 0.3776, 0.3527 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 37.6663, 0.3776, 0.3527 by changing the saturation by 10% instead.

 37.6663, 0.3776,  
0.3527

 37.6663, 0.3776,  
0.3527

336.1863, 0.3437,  
0.3413

 25.7238, 0.3865,  
0.3554

 71.5964, 0.3650,  
0.3487

 16.6171, 0.3982,  
0.3586

 94.3527, 0.3603,  
0.3471

 9.9619, 0.4141,  
0.3627

 121.4825, 0.3564,  
0.3458

 5.3737, 0.4370,  
0.3676

153.3701, 0.3531,  
0.3446

 2.4681, 0.4725,  
0.3731

190.3999, 0.3503,  
0.3436

 0.8606, 0.5865,  
0.4135

232.9562, 0.3478,

 0.0000, 1.0000,

0.3428

0.0000

281.4236, 0.3456,  
0.3420

 0.0000, 0.0000,  
0.0000

 37.6663, 0.3776,  
0.3527

 37.6663, 0.3776,  
0.3527

 32.6205, 0.4060,  
0.3603

 43.3981, 0.3533,  
0.3449

 28.2293, 0.4386,  
0.3672

 49.8355, 0.3328,  
0.3374

 24.4666, 0.4747,  
0.3725

 57.0034, 0.3156,  
0.3303

 21.3022, 0.5125,  
0.3750

 64.9244, 0.3011,  
0.3237

 18.7033, 0.5492,  
0.3736

 73.6198, 0.2890,  
0.3176

■ 16.6336, 0.5808,  
0.3677

■ 82.9425, 0.2801,  
0.3148

■ 15.3044, 0.6016,  
0.3606

■ 91.1595, 0.2811,  
0.3289

# Harmonies

## Analogous

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



37.6663, 0.3659, 0.3258



37.6663, 0.3776, 0.3527



37.6663, 0.3707, 0.3754

# Triad

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



37.6663, 0.3776, 0.3527



37.6663, 0.2851, 0.3597



37.6663, 0.2764, 0.2755

# Complementary

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



37.6663, 0.3776, 0.3527



43.3966, 0.2646, 0.3038

# 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.



37.6663, 0.2571, 0.2812



37.6663, 0.3776, 0.3527



37.6663, 0.2618, 0.3288

# Square

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



37.6663, 0.3776, 0.3527



37.6663, 0.3165, 0.3817



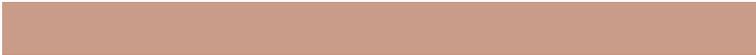
37.6663, 0.2519, 0.3000



37.6663, 0.3062, 0.2827

# Rectangle

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



37.6663, 0.3776, 0.3527



37.6663, 0.3570, 0.3848



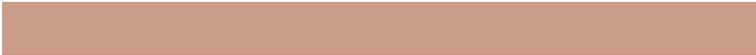
37.6663, 0.2519, 0.3000



37.6663, 0.2686, 0.2759

# Sweetspot

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



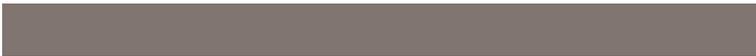
37.6681, 0.3776, 0.3527



87.3270, 0.3296, 0.3361



33.7621, 0.3332, 0.2699



18.3327, 0.3323, 0.3372



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



37.6681, 0.3776, 0.3527



58.5871, 0.3961, 0.3579



49.3732, 0.3656, 0.3909



11.1150, 0.3283, 0.3356



9.7567, 0.5990, 0.3626



0.5878, 0.5568, 0.3961



# Inverse Universe

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



43.3966, 0.2646, 0.3038



69.8349, 0.2551, 0.2977



31.9640, 0.2591, 0.2582



11.5434, 0.2984, 0.3223



15.4356, 0.1988, 0.2357

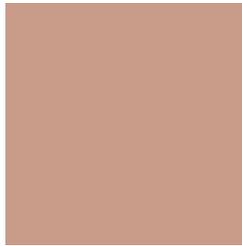


0.8490, 0.2048, 0.2574



# Previews

## White Background



This preview shows how the Yxy color 37.6663, 0.3776, 0.3527 looks on a white background.

## Color Contrast Check

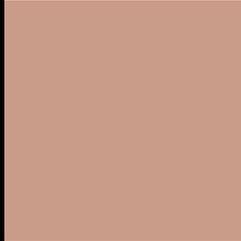
Large Text (above 18pt) WCAG AA × Fail

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 37.6663, 0.3776, 0.3527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

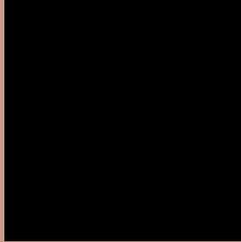
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

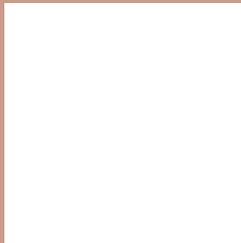
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 37.6663, 0.3776, 0.3527**

## Background



This preview shows how black text looks on a background with the Yxy color 37.6663, 0.3776, 0.3527.



This preview shows how white text looks on a background with the Yxy color 37.6663, 0.3776, 0.3527.

# 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

37.6663, 0.3776, 0.3527

### Protanopia

37.8619, 0.3420, 0.3617

### Deuteranopia

37.6502, 0.3667, 0.3602



## Tritanopia

37.6149, 0.3552, 0.3138

# Trichromacy



**Original Color**

37.6663, 0.3776, 0.3527

**Protanomaly**

37.5735, 0.3550, 0.3581

**Deuteranomaly**

37.8334, 0.3712, 0.3585

**Tritanomaly**

37.4861, 0.3632, 0.3266

# Monochromacy



**Original Color**

37.6663, 0.3776, 0.3527

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

38.1784, 0.3344, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.6663, 0.3776, 0.3527 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(201, 155, 137)` looks like.

```
.text, #text, p{  
    color:rgb(201, 155, 137)  
}
```

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(201, 155, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 155, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 37.6663, 0.3776, 0.3527 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(201, 155, 137) }
```

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

```
.border{ border-color:rgb(201, 155, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 155, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 155, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 155, 137);  
box-shadow:4px 4px 4px 4px rgb(201, 155,  
137) }
```

# Background

The CSS property to change the background color of an element to Yxy 37.6663, 0.3776, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 155, 137) }
```

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

```
.background{ background-color: rgb(201,  
155, 137) }
```

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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