

# Converting Colors

$Y_{xy}(37.7960, 0.3920, 0.3514)$

Have a look what the booklet for  
Yxy(37.7960, 0.3920, 0.3514)  
contains.

<b>Yxy(37.8793, 0.3912, 0.3519)</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(37.8793, 0.3912, 0.3519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D29886
RGB	210, 152, 134
RGB Percent	82%, 60%, 53%
CMY	0.1765, 0.4039, 0.4744
CMYK	0.00, 0.28, 0.36, 0.18
HSL	14°, 46%, 67%
HSV	14°, 36%, 82%
XYZ	42.1096, 37.8793, 27.6533
YIQ	167.2900, 40.3460, 6.6980

# Conversions

## Conversions Part 2

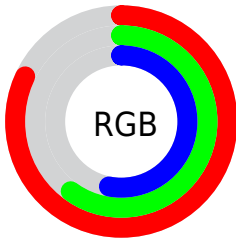
Format	Color
R <sub>Y</sub> B	210, 158, 134
Decimal	13801606
CIE Lab	67.93, 19.40, 18.05
CIE LCh	68, 26.497, 42.948
Yxy	37.8793, 0.3912, 0.3519
Android (android.graphics.Color)	4291991686 (0xFFD29886)
YUV	167.2900, -16.4120, 37.4567
Hunter-Lab	61.5462, 14.4232, 16.4427

# Details

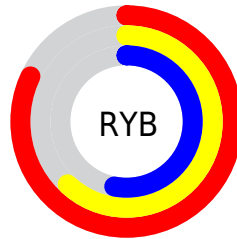
The Yxy color **37.8793, 0.3912, 0.3519** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.4263, 0.2589, 0.3045**, and the grayscale version is **38.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4735, 0.3652, 0.3498**, and **16.8175, 0.4166, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **32.4957, 0.4228, 0.3581**, and if you desaturate by 10%, it is **44.0860, 0.3643, 0.3453**.

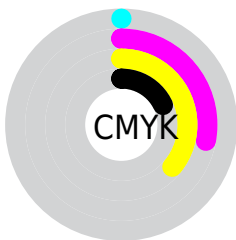
# Distribution



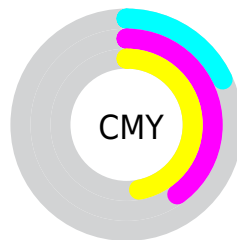
- Red (82%)
- Green (60%)
- Blue (53%)



- Red (82%)
- Yellow (62%)
- Blue (53%)



- Cyan (0%)
- Magenta (28%)
- Yellow (36%)
- Black (18%)




- Cyan (18%)
- Magenta (40%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8793, 0.3912, 0.3519 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 37.8793, 0.3912, 0.3519 by changing the saturation by 10% instead.





 37.8793, 0.3912,  
0.3519


 37.8793, 0.3912,  
0.3519


337.1019, 0.3502,  
0.3413


 25.8890, 0.4019,  
0.3542


 71.9231, 0.3759,  
0.3483

 16.7406, 0.4160,  
0.3569


 94.7454, 0.3703,  
0.3469

 10.0497, 0.4350,  
0.3599


 121.9472, 0.3656,  
0.3456

 5.4320, 0.4623,  
0.3630

153.9128, 0.3616,  
0.3445

 2.5029, 0.5040,  
0.3649

191.0267, 0.3582,  
0.3436

 0.8781, 0.6145,  
0.3855

233.6733, 0.3552,

 0.0000, 1.0000,

0.3427

0.0000

282.2369, 0.3526,  
0.3420

0.0000, 0.0000,  
0.0000

37.8793, 0.3912,  
0.3519

37.8793, 0.3912,  
0.3519

32.4957, 0.4228,  
0.3581

44.0860, 0.3643,  
0.3453

27.8948, 0.4588,  
0.3633

51.1432, 0.3416,  
0.3388

24.0409, 0.4980,  
0.3666


59.0836, 0.3228,  
0.3326


20.8933, 0.5378,  
0.3668


67.9366, 0.3071,  
0.3269


18.4070, 0.5741,  
0.3631

77.7301, 0.2940,  
0.3216

 16.5310, 0.6027,  
0.3555

 88.1637, 0.2857,  
0.3219

 15.9576, 0.6118,  
0.3524

 92.4409, 0.2860,  
0.3289

# Harmonies

## Analogous

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



37.8793, 0.3735, 0.3196



37.8793, 0.3912, 0.3519



37.8793, 0.3860, 0.3811

# Triad

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



37.8793, 0.3912, 0.3519



37.8793, 0.2845, 0.3721



37.8793, 0.2640, 0.2646

# Complementary

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



37.8793, 0.3912, 0.3519



47.4263, 0.2589, 0.3045

# 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.



37.8793, 0.2435, 0.2734



37.8793, 0.3912, 0.3519



37.8793, 0.2546, 0.3345

# Square

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



37.8793, 0.3912, 0.3519



37.8793, 0.3232, 0.3965



37.8793, 0.2401, 0.2981



37.8793, 0.2983, 0.2712



# Rectangle

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



37.8793, 0.3912, 0.3519



37.8793, 0.3709, 0.3947



37.8793, 0.2401, 0.2981



37.8793, 0.2554, 0.2657

# Sweetspot

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



37.8811, 0.3912, 0.3519



85.4159, 0.3317, 0.3356



34.5744, 0.3343, 0.2589



17.9236, 0.3343, 0.3365



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.



37.8811, 0.3912, 0.3519



52.5573, 0.4138, 0.3565



52.1350, 0.3747, 0.3968



12.2561, 0.3285, 0.3346



9.8647, 0.6094, 0.3543



0.6770, 0.5728, 0.3834

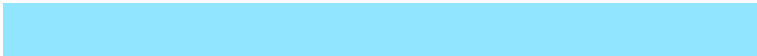


# Inverse Universe

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



47.4263, 0.2589, 0.3045



69.3337, 0.2491, 0.2987



32.9268, 0.2513, 0.2502



12.9129, 0.2983, 0.3234



18.3965, 0.2031, 0.2512



1.1461, 0.2075, 0.2671



# Previews

## White Background



This preview shows how the Yxy color 37.8793, 0.3912, 0.3519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

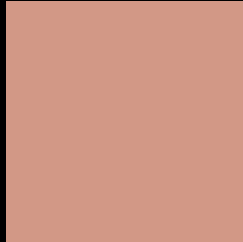
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.8793, 0.3912, 0.3519 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 37.8793, 0.3912, 0.3519**

## Background



This preview shows how black text looks on a background with the Yxy color 37.8793, 0.3912, 0.3519.



This preview shows how white text looks on a background with the Yxy color 37.8793, 0.3912, 0.3519.

# 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

37.8793, 0.3912, 0.3519

### Protanopia

37.9473, 0.3439, 0.3631

### Deuteranopia

37.8272, 0.3717, 0.3640



## Tritanopia

37.8640, 0.3684, 0.3143

# Trichromacy



**Original Color**

37.8793, 0.3912, 0.3519

**Protanomaly**

37.6680, 0.3613, 0.3591

**Deuteranomaly**

37.6125, 0.3791, 0.3594

**Tritanomaly**

37.7263, 0.3766, 0.3267

# Monochromacy



**Original Color**

37.8793, 0.3912, 0.3519

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

38.2745, 0.3395, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.8793, 0.3912, 0.3519 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(210, 152, 134)` looks like.

```
.text, #text, p{  
    color:rgb(210, 152, 134)  
}
```

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(210, 152, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 152, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8793, 0.3912, 0.3519 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(210, 152, 134) }
```

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

```
.border{ border-color:rgb(210, 152, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 152, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 152, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 152, 134);  
box-shadow:4px 4px 4px 4px rgb(210, 152,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8793, 0.3912, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 152, 134) }
```

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

```
.background{ background-color: rgb(210,  
152, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor