

# Converting Colors

$Y_{xy}(35.4782, 0.3751, 0.3417)$

Have a look what the booklet for  
Yxy(35.4782, 0.3751, 0.3417)  
contains.

<b>Yxy(35.5011, 0.3758, 0.3424)</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(35.5011, 0.3758, 0.3424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7958B
RGB	199, 149, 139
RGB Percent	78%, 58%, 55%
CMY	0.2195, 0.4157, 0.4550
CMYK	0.00, 0.25, 0.30, 0.22
HSL	10°, 35%, 66%
HSV	10°, 30%, 78%
XYZ	38.9641, 35.5011, 29.2179
YIQ	162.8100, 33.0100, 7.4900

# Conversions

## Conversions Part 2

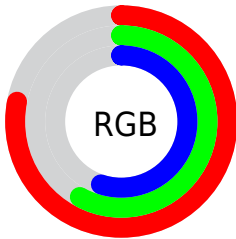
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 151, 139
Decimal	13079947
CIE Lab	66.14, 17.39, 12.61
CIE LCh	66, 21.486, 35.952
Yxy	35.5011, 0.3758, 0.3424
Android (android.graphics.Color)	4291270027 (0xFFC7958B)
YUV	162.8100, -11.7383, 31.7386
Hunter-Lab	59.5828, 12.4600, 12.6336

# Details

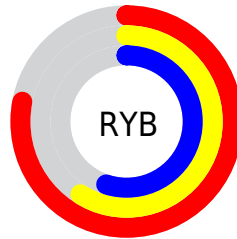
The Yxy color **35.5011, 0.3758, 0.3424** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.0107, 0.2681, 0.3151**, and the grayscale version is **36.5772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7776, 0.3623, 0.3405**, and **15.3859, 0.3967, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **30.0942, 0.4059, 0.3470**, and if you desaturate by 10%, it is **41.7643, 0.3507, 0.3377**.

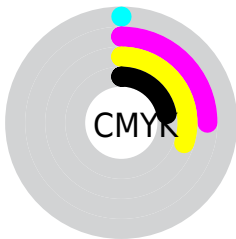
# Distribution



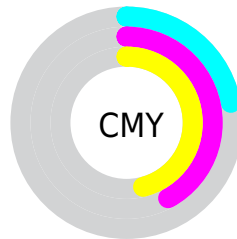
- Red (78%)
- Green (58%)
- Blue (55%)



- Red (78%)
- Yellow (59%)
- Blue (55%)



- Cyan (0%)
- Magenta (25%)
- Yellow (30%)
- Black (22%)




- Cyan (22%)
- Magenta (42%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5011, 0.3758, 0.3424 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 35.5011, 0.3758, 0.3424 by changing the saturation by 10% instead.





 35.5011, 0.3758,  
0.3424


 35.5011, 0.3758,  
0.3424


326.7747, 0.3425,  
0.3362


 24.0491, 0.3847,  
0.3438


 68.2613, 0.3633,  
0.3403

 15.3701, 0.3964,  
0.3453


 90.3384, 0.3587,  
0.3394

 9.0795, 0.4127,  
0.3472

 116.7259, 0.3549,  
0.3387

 4.7931, 0.4365,  
0.3490

147.8083, 0.3517,  
0.3381

 2.1264, 0.4744,  
0.3500

183.9700, 0.3489,  
0.3375

 0.6794, 0.6164,  
0.3836

225.5954, 0.3465,

 0.0000, 1.0000,

0.3370

0.0000

273.0688, 0.3444,  
0.3366

0.0000, 0.0000,  
0.0000

35.5011, 0.3758,  
0.3424

35.5011, 0.3758,  
0.3424

30.0942, 0.4059,  
0.3470

41.7643, 0.3507,  
0.3377

25.5015, 0.4412,  
0.3511

48.9137, 0.3300,  
0.3333

21.6847, 0.4812,  
0.3541

56.9839, 0.3130,  
0.3291

18.6005, 0.5238,  
0.3552

66.0061, 0.2990,  
0.3252

16.2011, 0.5651,  
0.3537

76.0101, 0.2874,  
0.3217

■ 14.4330, 0.5997,  
0.3490

■ 86.8035, 0.2795,  
0.3221

■ 13.2438, 0.6240,  
0.3428

■ 90.8852, 0.2800,  
0.3289

# Harmonies

## Analogous

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



35.5011, 0.3573, 0.3153



35.5011, 0.3758, 0.3424



35.5011, 0.3762, 0.3678

# Triad

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



35.5011, 0.3758, 0.3424



35.5011, 0.2967, 0.3704



35.5011, 0.2669, 0.2756

# Complementary

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



35.5011, 0.3758, 0.3424



46.0107, 0.2681, 0.3151

# 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.



35.5011, 0.2527, 0.2866



35.5011, 0.3758, 0.3424



35.5011, 0.2692, 0.3413

# Square

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



35.5011, 0.3758, 0.3424



35.5011, 0.3295, 0.3865



35.5011, 0.2535, 0.3102



35.5011, 0.2935, 0.2780



# Rectangle

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



35.5011, 0.3758, 0.3424



35.5011, 0.3663, 0.3805



35.5011, 0.2535, 0.3102



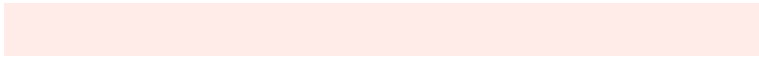
35.5011, 0.2606, 0.2778

# Sweetspot

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



35.5028, 0.3758, 0.3424



87.0097, 0.3281, 0.3328



34.2803, 0.3259, 0.2661



18.2015, 0.3308, 0.3335



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.



35.5028, 0.3758, 0.3424



55.9564, 0.3943, 0.3454



46.2526, 0.3646, 0.3804



10.9181, 0.3285, 0.3329



8.6017, 0.6221, 0.3443



0.4990, 0.5852, 0.3735

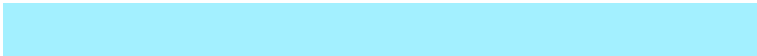


# Inverse Universe

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



46.0107, 0.2681, 0.3151



77.1644, 0.2596, 0.3117



34.4070, 0.2633, 0.2716



11.7547, 0.2984, 0.3251



20.2539, 0.2099, 0.2755



1.0413, 0.2133, 0.2878



# Previews

## White Background



This preview shows how the Yxy color 35.5011, 0.3758, 0.3424 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 35.5011, 0.3758, 0.3424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

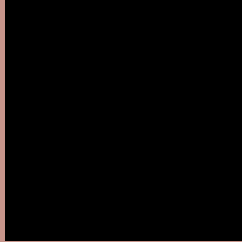
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.5011, 0.3758, 0.3424**

## Background



This preview shows how black text looks on a background with the Yxy color 35.5011, 0.3758, 0.3424.



This preview shows how white text looks on a background with the Yxy color 35.5011, 0.3758, 0.3424.

# 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

35.5011, 0.3758, 0.3424

### Protanopia

35.8589, 0.3341, 0.3523

### Deuteranopia

35.5920, 0.3599, 0.3527



## Tritanopia

35.4096, 0.3597, 0.3149

# Trichromacy



## Original Color

35.5011, 0.3758, 0.3424

## Protanomaly

35.6808, 0.3481, 0.3488

## Deuteranomaly

35.5646, 0.3658, 0.3496

## Tritanomaly

35.3488, 0.3658, 0.3252

# Monochromacy



## Original Color

35.5011, 0.3758, 0.3424

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

36.0169, 0.3342, 0.3347

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.5011, 0.3758, 0.3424 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(199, 149, 139)` looks like.

```
.text, #text, p{  
    color:rgb(199, 149, 139)  
}
```

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(199, 149, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 149, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 35.5011, 0.3758, 0.3424 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(199, 149, 139) }
```

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

```
.border{ border-color:rgb(199, 149, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 149, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 149, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 149, 139); box-shadow:4px 4px 4px 4px rgb(199, 149, 139) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.5011, 0.3758, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 149, 139) }
```

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

```
.background{ background-color: rgb(199,  
149, 139) }
```

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