

# Converting Colors

$Y_{xy}(25.8203, 0.3701, 0.3413)$

Have a look what the booklet for  
Yxy(25.8203, 0.3701, 0.3413)  
contains.

<b>Yxy(25.9165, 0.3697, 0.3413)</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(25.9165, 0.3697, 0.3413)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA827A
RGB	170, 130, 122
RGB Percent	67%, 51%, 48%
CMY	0.3334, 0.4902, 0.5214
CMYK	0.00, 0.24, 0.28, 0.33
HSL	10°, 22%, 57%
HSV	10°, 28%, 67%
XYZ	28.0730, 25.9165, 21.9451
YIQ	141.0480, 26.4080, 5.9920

# Conversions

## Conversions Part 2

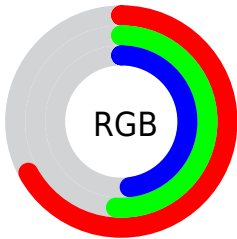
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 132, 122
Decimal	11174522
CIE <sub>Lab</sub>	57.96, 14.20, 10.25
CIE <sub>LCh</sub>	58, 17.513, 35.830
Yxy	25.9165, 0.3697, 0.3413
Android (android.graphics.Color)	4289364602 (0xFFAA827A)
YUV	141.0480, -9.3907, 25.3909
Hunter-Lab	50.9083, 9.3433, 10.0775

# Details

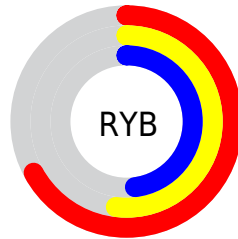
The Yxy color  $25.9165, 0.3697, 0.3413$  is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be  $32.8883, 0.2713, 0.3163$ , and the grayscale version is  $26.6867, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $53.0917, 0.3577, 0.3395$ , and  $10.1478, 0.3920, 0.3465$  is the 20% darker color. If you saturate the color by 10%, you get  $22.0179, 0.3983, 0.3459$ , and if you desaturate by 10%, it is  $30.4106, 0.3459, 0.3367$ .

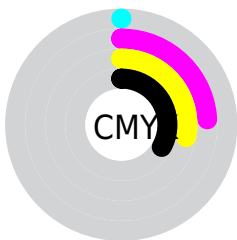
# Distribution



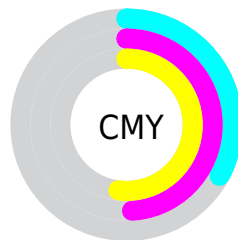
- Red (67%)
- Green (51%)
- Blue (48%)



- Red (67%)
- Yellow (52%)
- Blue (48%)



- Cyan (0%)
- Magenta (24%)
- Yellow (28%)
- Black (33%)




- Cyan (33%)
- Magenta (49%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.9165, 0.3697, 0.3413 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 25.9165, 0.3697, 0.3413 by changing the saturation by 10% instead.





 25.9165, 0.3697,  
0.3413

 25.9165, 0.3697,  
0.3413


282.3719, 0.3382,  
0.3352


 16.7612, 0.3788,  
0.3428


 53.1402, 0.3574,  
0.3391

 10.0644, 0.3912,  
0.3445


 71.9774, 0.3531,  
0.3383

 5.4417, 0.4093,  
0.3467

 94.8107, 0.3495,  
0.3376

 2.5087, 0.4378,  
0.3489

122.0244, 0.3465,  
0.3369

 0.8810, 0.5231,  
0.3739

154.0030, 0.3439,  
0.3364

 0.0000, 1.0000,  
0.0000

191.1309, 0.3417,

 0.0000, 0.0000,

0.3360

0.0000

233.7924, 0.3398,  
0.3355

■ 25.9165, 0.3697,  
0.3413

■ 25.9165, 0.3697,  
0.3413

■ 22.0179, 0.3983,  
0.3459

■ 30.4106, 0.3459,  
0.3367

■ 18.6862, 0.4320,  
0.3501

■ 35.5200, 0.3262,  
0.3324

■ 15.8960, 0.4705,  
0.3534


■ 41.2681, 0.3100,  
0.3283

■ 13.6183, 0.5123,  
0.3551


■ 47.6759, 0.2967,  
0.3246


■ 11.8214, 0.5539,  
0.3543


■ 54.7636, 0.2856,  
0.3212


 10.4701, 0.5907,  
0.3506


 62.5504, 0.2764,  
0.3181

 9.5211, 0.6182,  
0.3447

 71.0548, 0.2686,  
0.3153

 9.3881, 0.6226,  
0.3439

 80.0982, 0.2635,  
0.3160

 87.2850, 0.2652,  
0.3289

# Harmonies

## Analogous

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



25.9165, 0.3530, 0.3166



25.9165, 0.3697, 0.3413



25.9165, 0.3702, 0.3643

# Triad

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



25.9165, 0.3697, 0.3413



25.9165, 0.2984, 0.3663



25.9165, 0.2711, 0.2805

# Complementary

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



25.9165, 0.3697, 0.3413



32.8883, 0.2713, 0.3163

# 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.



25.9165, 0.2581, 0.2908



25.9165, 0.3697, 0.3413



25.9165, 0.2733, 0.3404

# Square

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



25.9165, 0.3697, 0.3413



25.9165, 0.3282, 0.3808



25.9165, 0.2589, 0.3123



25.9165, 0.2953, 0.2825



# Rectangle

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



25.9165, 0.3697, 0.3413



25.9165, 0.3614, 0.3757



25.9165, 0.2589, 0.3123



25.9165, 0.2653, 0.2825

# Sweetspot

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



25.9177, 0.3697, 0.3413



64.5217, 0.3261, 0.3323



25.1089, 0.3238, 0.2698



14.0669, 0.3288, 0.3330



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



25.9177, 0.3697, 0.3413



42.3777, 0.3874, 0.3443



32.8005, 0.3606, 0.3753



7.7364, 0.3282, 0.3328



6.9645, 0.6210, 0.3451



0.2266, 0.5689, 0.3865



# Inverse Universe

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



32.8883, 0.2713, 0.3163



57.1681, 0.2626, 0.3130



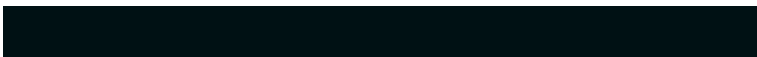
25.4542, 0.2674, 0.2779



8.3166, 0.2987, 0.3252



16.3777, 0.2100, 0.2761



0.4531, 0.2154, 0.2953



# Previews

## White Background



This preview shows how the Yxy color 25.9165, 0.3697, 0.3413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9165, 0.3697, 0.3413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

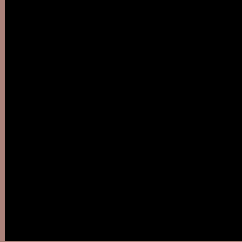
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.9165, 0.3697, 0.3413**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.9165, 0.3697, 0.3413.



This preview shows how white text looks on a background with the Yxy color 25.9165, 0.3697, 0.3413.

# 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

25.9165, 0.3697, 0.3413

### Protanopia

26.0173, 0.3318, 0.3490

### Deuteranopia

25.9043, 0.3574, 0.3497



## Tritanopia

26.0440, 0.3537, 0.3142

# Trichromacy



## Original Color

25.9165, 0.3697, 0.3413

## Protanomaly

25.9590, 0.3452, 0.3468

## Deuteranomaly

26.0480, 0.3625, 0.3479

## Tritanomaly

26.0244, 0.3594, 0.3246

# Monochromacy



## Original Color

25.9165, 0.3697, 0.3413

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

26.2880, 0.3327, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  25.9165, 0.3697, 0.3413 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(170, 130, 122)` looks like.

```
.text, #text, p{  
    color:rgb(170, 130, 122)  
}
```

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(170, 130, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 130, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 25.9165, 0.3697, 0.3413 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(170, 130, 122) }
```

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

```
.border{ border-color:rgb(170, 130, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 130, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 130, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 130, 122);  
box-shadow:4px 4px 4px 4px rgb(170, 130,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.9165, 0.3697, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 130, 122) }
```

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

```
.background{ background-color: rgb(170,  
130, 122) }
```

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