

# Converting Colors

$Yxy(42.5746, 0.4346, 0.4629)$

Have a look what the booklet for  
Yxy(42.5746, 0.4346, 0.4629)  
contains.

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**Color**

**Yxy(42.7007, 0.4335, 0.4634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAAD35
RGB	202, 173, 53
RGB Percent	79%, 68%, 21%
CMY	0.2078, 0.3216, 0.7923
CMYK	0.00, 0.14, 0.74, 0.21
HSL	48°, 58%, 50%
HSV	48°, 74%, 79%
XYZ	39.9455, 42.7007, 9.5003
YIQ	167.9910, 55.8040, -31.1720

# Conversions

## Conversions Part 2

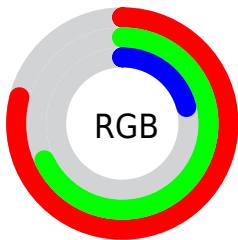
Format	Color
R <sub>Y</sub> B	89, 202, 53
Decimal	13282613
CIE Lab	71.35, -1.99, 61.90
CIE LCh	71, 61.931, 91.842
Yxy	42.7007, 0.4335, 0.4634
Android (android.graphics.Color)	4291472693 (0xFFCAAD35)
YUV	167.9910, -56.6906, 29.8259
Hunter-Lab	65.3458, -5.2390, 37.1222

# Details

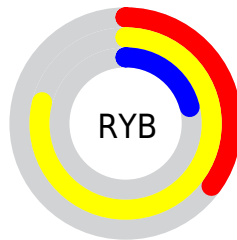
The Yxy color **42.7007, 0.4335, 0.4634** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **11.0524, 0.1815, 0.1325**, and the grayscale version is **39.4164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8295, 0.4098, 0.4449**, and **19.6040, 0.4499, 0.4810** is the 20% darker color. If you saturate the color by 10%, you get **41.0685, 0.4453, 0.4710**, and if you desaturate by 10%, it is **44.4597, 0.4192, 0.4515**.

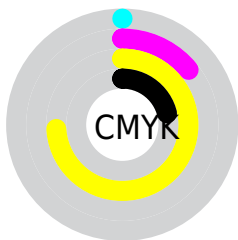
# Distribution



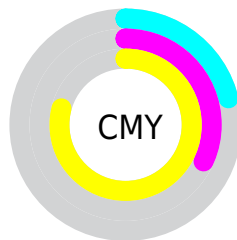
- Red (79%)
- Green (68%)
- Blue (21%)



- Red (35%)
- Yellow (79%)
- Blue (21%)



- Cyan (0%)
- Magenta (14%)
- Yellow (74%)
- Black (21%)



- Cyan (21%)
- Magenta (32%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7007, 0.4335, 0.4634 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 42.7007, 0.4335, 0.4634 by changing the saturation by 10% instead.





 42.7007, 0.4335,  
0.4634


 42.7007, 0.4335,  
0.4634


357.3795, 0.3779,  
0.4007

 29.6504, 0.4443,  
0.4759


 79.2590, 0.4153,  
0.4426

 19.5733, 0.4560,  
0.4897


 103.5358, 0.4078,  
0.4342


 12.0853, 0.4680,  
0.5045


 132.3234, 0.4012,  
0.4267

 6.8018, 0.4800,  
0.5200

 166.0064, 0.3954,  
0.4202

 3.3385, 0.4780,  
0.5220

 204.9691, 0.3903,  
0.4145

 1.3109, 0.4746,  
0.5254

 249.5959, 0.3857,

 0.1496, 0.3849,

0.4094

0.6151

300.2712, 0.3816,  
0.4048

0.0000, 0.0000,  
0.0000

42.7007, 0.4335,  
0.4634

42.7007, 0.4335,  
0.4634

41.0685, 0.4453,  
0.4710

44.4597, 0.4192,  
0.4515

39.5459, 0.4542,  
0.4738

46.3485, 0.4030,  
0.4359

38.6432, 0.4587,  
0.4740

48.3771, 0.3857,  
0.4176

50.5526, 0.3681,  
0.3977

52.8816, 0.3507,  
0.3771

■ 55.3701, 0.3340,  
0.3564

■ 58.0237, 0.3183,  
0.3364

■ 60.8477, 0.3038,  
0.3172

■ 63.8470, 0.2905,  
0.2993

# Harmonies

## Analogous

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



42.7007, 0.4813, 0.4046



42.7007, 0.4335, 0.4634



42.7007, 0.3577, 0.4941

# Triad

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



42.7007, 0.4335, 0.4634



42.7007, 0.1696, 0.2803



42.7007, 0.3333, 0.2336

# Complementary

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



42.7007, 0.4335, 0.4634



11.0524, 0.1815, 0.1325

# 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.



42.7007, 0.2492, 0.2043



42.7007, 0.4335, 0.4634



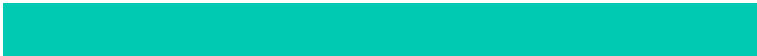
42.7007, 0.1657, 0.2222

# Square

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



42.7007, 0.4335, 0.4634



42.7007, 0.2064, 0.3721



42.7007, 0.1922, 0.1990



42.7007, 0.4231, 0.2819



# Rectangle

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



42.7007, 0.4335, 0.4634



42.7007, 0.3017, 0.4809



42.7007, 0.1922, 0.1990



42.7007, 0.3031, 0.2214

# Sweetspot

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



42.7028, 0.4335, 0.4634



90.1283, 0.3482, 0.3740



15.7227, 0.5164, 0.2986



19.0512, 0.3529, 0.3797



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.



42.7028, 0.4335, 0.4634



67.8446, 0.4514, 0.4733



49.7027, 0.3702, 0.5150



12.7111, 0.3270, 0.3475



24.9884, 0.4581, 0.4745



1.3866, 0.4492, 0.4815



# Inverse Universe

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



11.0524, 0.1815, 0.1325



12.1317, 0.1619, 0.0942



9.3870, 0.2037, 0.1129



11.1916, 0.2982, 0.3098



3.7913, 0.1555, 0.0799



0.3032, 0.1654, 0.1153



# Previews

## White Background



This preview shows how the Yxy color 42.7007, 0.4335, 0.4634 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 42.7007, 0.4335, 0.4634 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 42.7007, 0.4335, 0.4634**

## Background



This preview shows how black text looks on a background with the Yxy color 42.7007, 0.4335, 0.4634.

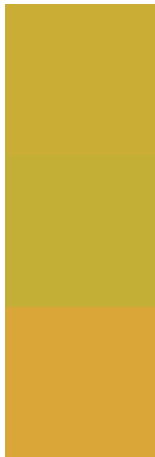


This preview shows how white text looks on a background with the Yxy color 42.7007, 0.4335, 0.4634.

# 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

42.7007, 0.4335, 0.4634

### Protanopia

42.6620, 0.4255, 0.4683

### Deuteranopia

42.6180, 0.4545, 0.4446



## Tritanopia

42.7455, 0.3488, 0.3144

# Trichromacy



## Original Color

42.7007, 0.4335, 0.4634

## Protanomaly

42.5442, 0.4283, 0.4661

## Deuteranomaly

42.7979, 0.4466, 0.4516

## Tritanomaly

42.2940, 0.3867, 0.3744

# Monochromacy



## Original Color

42.7007, 0.4335, 0.4634

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

39.9591, 0.3609, 0.3901

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.7007, 0.4335, 0.4634 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(202, 173, 53)` looks like.

```
.text, #text, p{  
    color:rgb(202, 173, 53)  
}
```

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(202, 173, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 173, 53) }
```

## Border

The CSS property to change the border of an element to Yxy 42.7007, 0.4335, 0.4634 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(202, 173, 53) }
```

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

```
.border{ border-color:rgb(202, 173, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 173, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 173, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 173, 53);  
box-shadow:4px 4px 4px 4px rgb(202, 173,  
53) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.7007, 0.4335, 0.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 173, 53) }
```

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

```
.background{ background-color: rgb(202,  
173, 53) }
```

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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