

# Converting Colors

$Y_{xy}(49.1014, 0.4651, 0.4338)$

Have a look what the booklet for  
Yxy(49.1014, 0.4651, 0.4338)  
contains.

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# Color

**Yxy(49.3007, 0.4651, 0.4342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3AD3F
RGB	243, 173, 63
RGB Percent	95%, 68%, 25%
CMY	0.0470, 0.3216, 0.7530
CMYK	0.00, 0.29, 0.74, 0.05
HSL	37°, 88%, 60%
HSV	37°, 74%, 95%
XYZ	52.8092, 49.3007, 11.4339
YIQ	181.3900, 77.0300, -19.3700

# Conversions

## Conversions Part 2

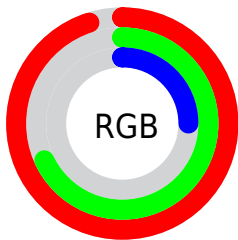
Format	Color
<a href="#">RYB</a>	<a href="#">178, 243, 63</a>
Decimal	<a href="#">15969599</a>
CIELab	<a href="#">75.64, 16.06, 63.64</a>
CIELCh	<a href="#">76, 65.634, 75.839</a>
Yxy	<a href="#">49.3007, 0.4651, 0.4342</a>
Android (android.graphics.Color)	<a href="#">4294159679</a> ( <a href="#">0xFFFF3AD3F</a> )
YUV	<a href="#">181.3900, -58.3663, 54.0320</a>
Hunter-Lab	<a href="#">70.2145, 11.3769, 39.4952</a>

# Details

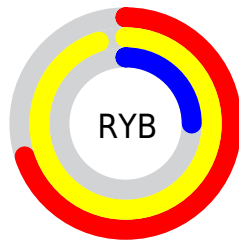
The Yxy color **49.3007, 0.4651, 0.4342** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **24.3106, 0.1915, 0.1749**, and the grayscale version is **46.7233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0312, 0.4049, 0.4376**, and **23.6198, 0.4936, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **45.5907, 0.4851, 0.4378**, and if you desaturate by 10%, it is **53.3919, 0.4429, 0.4259**.

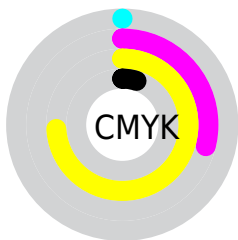
# Distribution



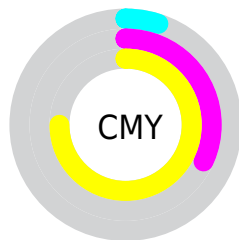
- Red (95%)
- Green (68%)
- Blue (25%)



- Red (70%)
- Yellow (95%)
- Blue (25%)



- Cyan (0%)
- Magenta (29%)
- Yellow (74%)
- Black (5%)




- Cyan (5%)
- Magenta (32%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3007, 0.4651, 0.4342 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 49.3007, 0.4651, 0.4342 by changing the saturation by 10% instead.





 49.3007, 0.4651,  
0.4342


 49.3007, 0.4651,  
0.4342


383.9249, 0.3944,  
0.3905


 34.8581, 0.4796,  
0.4414


 89.1379, 0.4415,  
0.4210


 23.5536, 0.4961,  
0.4483


 115.3013, 0.4320,  
0.4152


 15.0028, 0.5143,  
0.4538


 146.1403, 0.4237,  
0.4100

 8.8213, 0.5395,  
0.4605

 182.0395, 0.4164,  
0.4053

 4.6248, 0.5514,  
0.4486

 223.3831, 0.4099,  
0.4010

 2.0289, 0.5703,  
0.4297

270.5556, 0.4042,

 0.6242, 0.6142,

0.3971

0.3858

323.9414, 0.3990,  
0.3937

0.0000, 0.0000,  
0.0000

49.3007, 0.4651,  
0.4342

49.3007, 0.4651,  
0.4342

45.5907, 0.4851,  
0.4378

53.3919, 0.4429,  
0.4259

42.2323, 0.5019,  
0.4360


57.8762, 0.4197,  
0.4138


40.3934, 0.5105,  
0.4329

62.7729, 0.3967,  
0.3992


68.0977, 0.3748,  
0.3833

73.8650, 0.3543,  
0.3669

 80.0882, 0.3357,  
0.3507

 86.7803, 0.3190,  
0.3351

 93.7968, 0.3055,  
0.3228

 97.7991, 0.3054,  
0.3290

# Harmonies

## Analogous

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



49.3007, 0.4895, 0.3708



49.3007, 0.4651, 0.4342



49.3007, 0.4009, 0.4848

# Triad

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



49.3007, 0.4651, 0.4342



49.3007, 0.1838, 0.3261



49.3007, 0.2855, 0.2143

# Complementary

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



49.3007, 0.4651, 0.4342



24.3106, 0.1915, 0.1749

# 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.



49.3007, 0.2141, 0.1972



49.3007, 0.4651, 0.4342



49.3007, 0.1627, 0.2476

# Square

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



49.3007, 0.4651, 0.4342



49.3007, 0.2387, 0.4254



49.3007, 0.1732, 0.2064



49.3007, 0.3773, 0.2536



# Rectangle

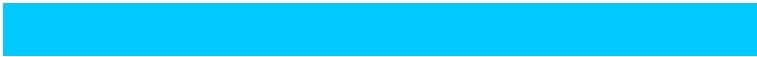
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.3007, 0.4651, 0.4342



49.3007, 0.3467, 0.4958



49.3007, 0.1732, 0.2064



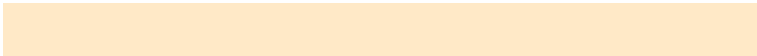
49.3007, 0.2586, 0.2059

# Sweetspot

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



49.3032, 0.4651, 0.4342



83.7575, 0.3504, 0.3636



24.3629, 0.4645, 0.2624



17.5366, 0.3557, 0.3680



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.



49.3032, 0.4651, 0.4342



48.8789, 0.4942, 0.4375



80.4858, 0.3967, 0.4988



18.1681, 0.3278, 0.3434



22.4340, 0.5087, 0.4343



2.1710, 0.4944, 0.4456



# Inverse Universe

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



24.3106, 0.1915, 0.1749



20.0347, 0.1747, 0.1411



11.7761, 0.1793, 0.0989



16.9838, 0.2980, 0.3141



8.2394, 0.1675, 0.1230



0.9176, 0.1744, 0.1477



# Previews

## White Background



This preview shows how the Yxy color 49.3007, 0.4651, 0.4342 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 49.3007, 0.4651, 0.4342 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 49.3007, 0.4651, 0.4342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.3007, 0.4651, 0.4342.



This preview shows how white text looks on a background with the Yxy color 49.3007, 0.4651, 0.4342.

# 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

49.3007, 0.4651, 0.4342

### Protanopia

49.5012, 0.4210, 0.4623

### Deuteranopia

49.2845, 0.4543, 0.4431



## Tritanopia

49.2206, 0.3855, 0.3164

# Trichromacy



**Original Color**

49.3007, 0.4651, 0.4342

**Protanomaly**

49.2214, 0.4365, 0.4520

**Deuteranomaly**

49.4030, 0.4578, 0.4407

**Tritanomaly**

48.7678, 0.4199, 0.3638

# Monochromacy



**Original Color**

49.3007, 0.4651, 0.4342

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

46.5131, 0.3705, 0.3795

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3007, 0.4651, 0.4342 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(243, 173, 63)` looks like.

```
.text, #text, p{  
    color:rgb(243, 173, 63)  
}
```

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(243, 173, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 173, 63) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3007, 0.4651, 0.4342 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(243, 173, 63) }
```

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

```
.border{ border-color:rgb(243, 173, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 173, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 173, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 173, 63);  
box-shadow:4px 4px 4px 4px rgb(243, 173,  
63) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3007, 0.4651, 0.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 173, 63) }
```

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

```
.background{ background-color: rgb(243,  
173, 63) }
```

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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