

# Converting Colors

Yxy(31.4340, 0.5012, 0.4346)

Have a look what the booklet for  
Yxy(31.4340, 0.5012, 0.4346)  
contains.

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**Color**

**Yxy(31.2337, 0.5014, 0.4343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D58610
RGB	213, 134, 16
RGB Percent	84%, 53%, 6%
CMY	0.1647, 0.4745, 0.9366
CMYK	0.00, 0.37, 0.92, 0.16
HSL	36°, 86%, 45%
HSV	36°, 92%, 84%
XYZ	36.0594, 31.2337, 4.6243
YIQ	144.1690, 84.9620, -19.9500

# Conversions

## Conversions Part 2

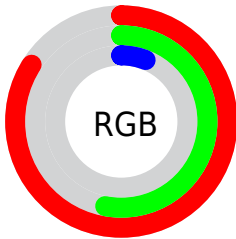
Format	Color
R <sub>Y</sub> B	148, 213, 16
Decimal	13993488
CIE Lab	62.70, 22.72, 65.92
CIE LCh	63, 69.724, 70.983
Yxy	31.2337, 0.5014, 0.4343
Android (android.graphics.Color)	4292183568 (0xFFD58610)
YUV	144.1690, -63.1873, 60.3648
Hunter-Lab	55.8871, 17.3689, 34.2151

# Details

The Yxy color **31.2337, 0.5014, 0.4343** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **13.1264, 0.1736, 0.1395**, and the grayscale version is **28.2038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3507, 0.4546, 0.4318**, and **13.0160, 0.5234, 0.4226** is the 20% darker color. If you saturate the color by 10%, you get **29.4595, 0.5132, 0.4307**, and if you desaturate by 10%, it is **33.7931, 0.4833, 0.4351**.

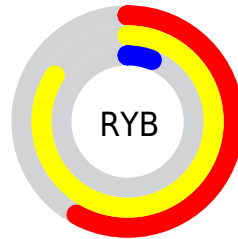
# Distribution



Red (84%)

Green (53%)

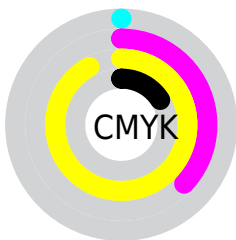
Blue (6%)



Red (58%)

Yellow (84%)

Blue (6%)

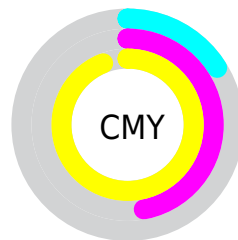


Cyan (0%)

Magenta (37%)

Yellow (92%)

Black (16%)



Cyan (16%)

Magenta (47%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2337, 0.5014, 0.4343 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 31.2337, 0.5014, 0.4343 by changing the saturation by 10% instead.




 31.2337, 0.5014,  
0.4343


 31.2337, 0.5014,  
0.4343


307.6135, 0.4094,  
0.3928

 20.7769, 0.5200,  
0.4383


 61.6078, 0.4705,  
0.4235


 12.9610, 0.5415,  
0.4402


 82.2939, 0.4580,  
0.4180


 7.4017, 0.5640,  
0.4360


 107.1585, 0.4471,  
0.4129

 3.7146, 0.5823,  
0.4177

 136.5861, 0.4375,  
0.4081

 1.5152, 0.6118,  
0.3882

 170.9610, 0.4292,  
0.4037

 0.2994, 0.7370,  
0.2630

 210.6676, 0.4218,

 0.0000, 0.0000,

0.3997

0.0000

256.0903, 0.4153,  
0.3961

31.2337, 0.5014,  
0.4343

31.2337, 0.5014,  
0.4343

29.4595, 0.5132,  
0.4307

33.7931, 0.4833,  
0.4351

36.6245, 0.4622,  
0.4307

39.7454, 0.4393,  
0.4218

43.1697, 0.4158,  
0.4094

46.9098, 0.3928,  
0.3949

■ 50.9773, 0.3710,  
0.3792

■ 55.3828, 0.3509,  
0.3632

■ 60.1363, 0.3327,  
0.3475

■ 65.2473, 0.3164,  
0.3325

# Harmonies

## Analogous

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



31.2337, 0.5265, 0.3594



31.2337, 0.5014, 0.4343



31.2337, 0.4268, 0.5062

# Triad

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



31.2337, 0.5014, 0.4343



31.2337, 0.1653, 0.3420



31.2337, 0.2621, 0.1887

# Complementary

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



31.2337, 0.5014, 0.4343



13.1264, 0.1736, 0.1395

# 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.



31.2337, 0.1847, 0.1732



31.2337, 0.5014, 0.4343



31.2337, 0.1373, 0.2395

# Square

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



31.2337, 0.5014, 0.4343



31.2337, 0.2339, 0.4705



31.2337, 0.1445, 0.1872



31.2337, 0.3721, 0.2298



# Rectangle

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



31.2337, 0.5014, 0.4343



31.2337, 0.3634, 0.5347



31.2337, 0.1445, 0.1872



31.2337, 0.2320, 0.1805

# Sweetspot

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



31.2353, 0.5014, 0.4343



79.2860, 0.3625, 0.3726



15.4059, 0.5123, 0.2645



16.3673, 0.3715, 0.3796



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.



31.2353, 0.5014, 0.4343



43.9348, 0.5143, 0.4298



59.4397, 0.4044, 0.5135



13.6449, 0.3276, 0.3429



18.2008, 0.5114, 0.4321



1.2579, 0.4913, 0.4481



# Inverse Universe

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



13.1264, 0.1736, 0.1395



16.7876, 0.1676, 0.1232



5.4953, 0.1569, 0.0673



12.8185, 0.2982, 0.3147



7.1370, 0.1688, 0.1277



0.5903, 0.1784, 0.1622



# Previews

## White Background



This preview shows how the Yxy color 31.2337, 0.5014, 0.4343 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 31.2337, 0.5014, 0.4343 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 31.2337, 0.5014, 0.4343**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.2337, 0.5014, 0.4343.



This preview shows how white text looks on a background with the Yxy color 31.2337, 0.5014, 0.4343.

# 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

31.2337, 0.5014, 0.4343

### Protanopia

31.4983, 0.4347, 0.4833

### Deuteranopia

31.1530, 0.4719, 0.4635



## Tritanopia

31.2939, 0.4125, 0.3183

# Trichromacy



## Original Color

31.2337, 0.5014, 0.4343

## Protanomaly

31.0474, 0.4593, 0.4652

## Deuteranomaly

31.0487, 0.4838, 0.4520

## Tritanomaly

30.7926, 0.4594, 0.3730

# Monochromacy



## Original Color

31.2337, 0.5014, 0.4343

## Achromatopsia

27.8894, 0.3127, 0.3290

## Achromatomaly

28.0730, 0.3907, 0.3925

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.2337, 0.5014, 0.4343 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(213, 134, 16)` looks like.

```
.text, #text, p{  
    color:rgb(213, 134, 16)  
}
```

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(213, 134, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 134, 16) }
```

## Border

The CSS property to change the border of an element to Yxy 31.2337, 0.5014, 0.4343 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(213, 134, 16) }
```

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

```
.border{ border-color:rgb(213, 134, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 134, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 134, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 134, 16);  
box-shadow:4px 4px 4px 4px rgb(213, 134,  
16) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.2337, 0.5014, 0.4343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 134, 16) }
```

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

```
.background{ background-color: rgb(213,  
134, 16) }
```

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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