

# Converting Colors

HunterLab(49.6303, 23.9184,  
31.0007)

Have a look what the booklet for  
HunterLab(49.6303, 23.9184,  
31.0007) contains.

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# Color

**HunterLab(49.6464, 23.8831,  
31.0100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC7100
RGB	204, 113, 0
RGB Percent	80%, 44%, 0%
CMY	0.2000, 0.5568, 1.0000
CMYK	0.00, 0.45, 1.00, 0.20
HSL	33°, 100%, 40%
HSV	33°, 100%, 80%
XYZ	30.8070, 24.6477, 3.1338
YIQ	127.3270, 90.5090, -15.8510

# Conversions

## Conversions Part 2

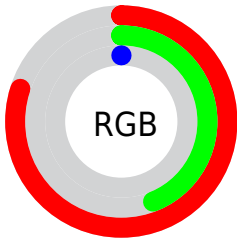
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 204, 0
Decimal	13398272
CIELab	56.73, 29.96, 64.11
CIElCh	57, 70.761, 64.950
Yxy	24.6490, 0.5258, 0.4207
Android (android.graphics.Color)	4291588352 (0xFFCC7100)
YUV	127.3270, -62.7722, 67.2422
Hunter-Lab	49.6464, 23.8831, 31.0100

# Details

The HunterLab color **49.6464, 23.8831, 31.0100** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **34.4119, 15.7199, -76.9460**, and the grayscale version is **46.4115, -2.4764, 2.5216**.

A 20% lighter version of the original color is **69.9555, 20.1864, 38.9590**, and **30.8325, 22.2372, 19.3881** is the 20% darker color. If you saturate the color by 10%, you get **49.6470, 23.8812, 31.0103**, and if you desaturate by 10%, it is **51.8019, 19.6272, 31.4843**.

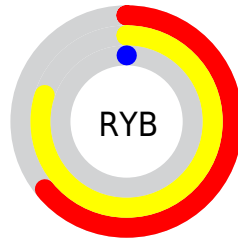
# Distribution



Red (80%)

Green (44%)

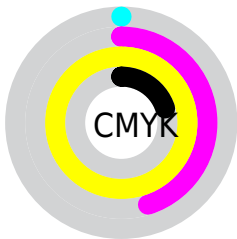
Blue (0%)



Red (64%)

Yellow (80%)

Blue (0%)

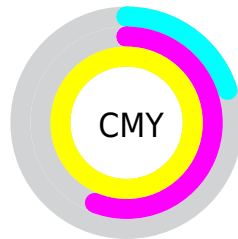


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (56%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 49.6464, 23.8831, 31.0100 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 HunterLab color 49.6464, 23.8831, 31.0100 by changing the saturation by 10% instead.



49.6464, 23.8831,  
31.0100

49.6464, 23.8831,  
31.0100

166.1581, 28.8138,  
67.0498

39.7690, 22.8812,  
26.1036

71.4753, 25.5465,  
40.1135

30.6494, 21.7558,  
21.4546

83.3432, 26.2360,  
44.3628

22.3583, 20.4912,  
15.6508

95.8038, 26.8411,  
48.4461

14.9888, 19.0843,  
10.4922

108.8300, 27.3689,  
52.3859

8.6328, 17.8204,  
6.0430

122.3983, 27.8252,  
56.2012

0.0000, INF, NaN

0.0000, NaN, NaN

136.4879, 28.2153,

59.9083

0.0000, NaN, NaN

151.0801, 28.5436,  
63.5206

0.0000, NaN, NaN

49.6464, 23.8831,  
31.0100

49.6464, 23.8831,  
31.0100

49.6470, 23.8812,  
31.0103

51.8019, 19.6272,  
31.4843

54.1146, 15.6113,  
31.3393

56.5879, 11.9180,  
30.4215

59.2146, 8.5765,  
28.7234

61.9862, 5.5977,  
26.2683

■ 64.8936, 2.9799,  
23.0959

■ 67.9278, 0.7133,  
19.2542

■ 71.0802, -1.2175,  
14.7942

■ 74.3426, -2.8308,  
9.7666

# Harmonies

## Analogous

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



49.6477, 53.2814, 24.8198



49.6464, 23.8831, 31.0100



49.6477, -7.4781, 32.0636

# Triad

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



49.6477, 23.8797, 31.0105



49.6477, -47.6557, -2.2110



49.6477, 34.4297, -65.5107

# Complementary

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



49.6464, 23.8831, 31.0100



34.4119, 15.7199, -76.9460

# 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.



49.6477, 2.3663, -87.4368



49.6464, 23.8831, 31.0100



49.6477, -41.2865, -39.5101

# Square

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



49.6477, 23.8797, 31.0105



49.6477, -44.4780, 20.6239



49.6477, -24.5672, -75.8619



49.6477, 60.3067, -26.1967



# Rectangle

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



49.6464, 23.8831, 31.0100



49.6477, -24.4935, 31.0201



49.6477, -24.5672, -75.8619



49.6477, 23.7717, -75.9532

# Sweetspot

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



49.6477, 23.8797, 31.0105



87.2594, 1.0246, 24.9888



36.8873, 65.2549, 7.6699



39.5909, 1.0288, 12.5784

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



49.6477, 23.8797, 31.0105



63.5491, 31.4856, 39.7099



73.9109, -23.5895, 45.1304



34.9669, -1.3688, 4.4317



39.6262, 18.4249, 24.7400



9.7985, 2.5309, 6.0821



# Inverse Universe

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



34.4119, 15.7199, -76.9460



43.8147, 21.2571, -100.6525



21.0372, 56.7476, -147.0454



34.1380, -2.1895, -0.8345



27.6276, 11.7671, -59.9338



7.3782, 0.5227, -10.3505



# Previews

## White Background



This preview shows how the HunterLab color 49.6464, 23.8831, 31.0100 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 HunterLab color 49.6464, 23.8831, 31.0100 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](#).

## HunterLab 49.6464, 23.8831, 31.0100 Background



This preview shows how black text looks on a background with the HunterLab color 49.6464, 23.8831, 31.0100.



This preview shows how white text looks on a background with the HunterLab color 49.6464, 23.8831,



# 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

49.6464, 23.8831, 31.0100

### Protanopia

49.8014, -6.9615, 29.9342

### Deuteranopia

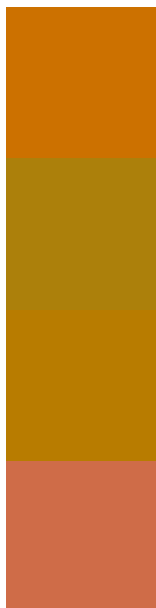
49.8493, 3.0578, 30.7704



## Tritanopia

49.7044, 35.2793, 12.6096

# Trichromacy



## Original Color

49.6464, 23.8831, 31.0100

## Protanomaly

49.2272, 3.7524, 30.0179

## Deuteranomaly

49.6041, 10.2616, 30.7454

## Tritanomaly

49.4554, 29.9052, 23.6477

# Monochromacy



## Original Color

49.6464, 23.8831, 31.0100

## Achromatopsia

46.0685, -2.4581, 2.5030

## Achromatomaly

46.3484, 3.4731, 18.6622

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 49.6464, 23.8831, 31.0100 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(204, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 113, 0)  
}
```

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(204, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 113, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 49.6464, 23.8831, 31.0100 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(204, 113, 0) }
```



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

```
.border{ border-color:rgb(204, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 113,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 49.6464, 23.8831, 31.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 113, 0) }
```

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

```
.background{ background-color: rgb(204,  
113, 0) }
```

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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