

# Converting Colors

HunterLab(73.1314, 12.0617,  
45.1468)

Have a look what the booklet for  
HunterLab(73.1314, 12.0617,  
45.1468) contains.

<b>HunterLab(73.1513, 12.0191, 45.1695)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(73.1513, 12.0191,  
45.1695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB305
RGB	255, 179, 5
RGB Percent	100%, 70%, 2%
CMY	0.0000, 0.2980, 0.9803
CMYK	0.00, 0.30, 0.98, 0.00
HSL	42°, 100%, 51%
HSV	42°, 98%, 100%
XYZ	57.3875, 53.5111, 7.4477
YIQ	181.8880, 101.1500, -38.0020

# Conversions

## Conversions Part 2

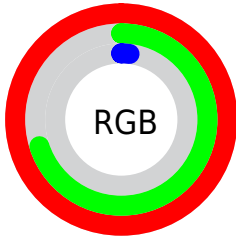
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 255, 5
Decimal	16757509
CIE <sub>Lab</sub>	78.18, 16.67, 80.58
CIE <sub>LCh</sub>	78, 82.284, 78.314
Yxy	53.5138, 0.4849, 0.4522
Android (android.graphics.Color)	4294947589 (0xFFFFB305)
YUV	181.8880, -87.2058, 64.1192
Hunter-Lab	73.1513, 12.0191, 45.1695

# Details

The HunterLab color **73.1513, 12.0191, 45.1695** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **36.2477, 40.2556, -131.7069**, and the grayscale version is **68.6737, -3.6643, 3.7312**.

A 20% lighter version of the original color is **90.1672, -14.2484, 49.9300**, and **51.3665, 12.0227, 31.8623** is the 20% darker color. If you saturate the color by 10%, you get **72.7286, 12.7617, 45.0384**, and if you desaturate by 10%, it is **75.3622, 8.3346, 45.5898**.

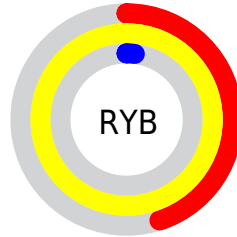
# Distribution



Red (100%)

Green (70%)

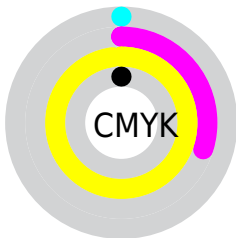
Blue (2%)



Red (45%)

Yellow (100%)

Blue (2%)

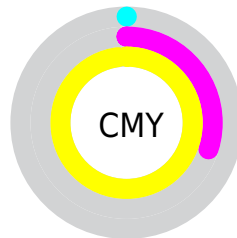


Cyan (0%)

Magenta (30%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 73.1513, 12.0191, 45.1695 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 73.1513, 12.0191, 45.1695 by changing the saturation by 10% instead.





 73.1513, 12.0191,  
45.1695

 73.1513, 12.0191,  
45.1695


200.0633, 11.1432,  
86.3709


 61.8168, 11.8242,  
39.7598


 97.6525, 12.1919,  
55.3647

 51.1353, 11.5546,  
34.1232


 110.7584, 12.1894,  
60.1880


 41.1516, 11.1964,  
28.5556


 124.4034, 12.1323,  
64.8545

 31.9183, 10.7364,  
22.3428

 138.5667, 12.0244,  
69.3814

 23.5025, 10.1573,  
16.4517

 153.2301, 11.8690,  
73.7840

 15.9927, 9.4355,  
11.1949

 168.3771, 11.6687,

 9.5154, 8.5416,

78.0756

6.6608

183.9928, 11.4261,  
82.2679

0.0000, INF, NaN

0.0000, NaN, NaN

■ 73.1513, 12.0191,  
45.1695

■ 73.1513, 12.0191,  
45.1695

■ 72.7286, 12.7617,  
45.0384

■ 75.3622, 8.3346,  
45.5898

■ 77.6896, 5.0231,  
45.1027

■ 80.1412, 2.1379,  
43.5849

■ 82.7176, -0.2930,  
40.9908

■ 85.4176, -2.2570,

37.3121

■ 88.2383, -3.7526,  
32.5649

■ 91.1762, -4.7860,  
26.7815

■ 94.2271, -5.3692,  
20.0046

■ 97.3866, -5.5181,  
12.2831

# Harmonies

## Analogous

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



73.1532, 53.3550, 39.8671



73.1513, 12.0191, 45.1695



73.1532, -26.1443, 44.6083

# Triad

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



73.1532, 12.0152, 45.1701



73.1532, -62.6530, -22.3611



73.1532, 61.4182, -61.6631

# Complementary

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



73.1513, 12.0191, 45.1695



36.2477, 40.2556, -131.7069

# 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.



73.1532, 21.3510, -102.2234



73.1513, 12.0191, 45.1695



73.1532, -47.6372, -72.4848

# Square

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



73.1532, 12.0152, 45.1701



73.1532, -64.1149, 17.0818



73.1532, -18.5744, -106.9849



73.1532, 85.6417, -12.1030



# Rectangle

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



73.1513, 12.0191, 45.1695



73.1532, -45.0641, 40.8840



73.1532, -18.5744, -106.9849



73.1532, 49.0100, -77.7157

# Sweetspot

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



73.1532, 12.0152, 45.1701



90.8870, -4.7058, 27.3861



46.9166, 81.1195, 19.6836



41.4644, -1.9903, 13.8497

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



73.1532, 12.0152, 45.1701



72.7289, 12.7617, 45.0386



92.2553, -41.2353, 56.0327



44.8373, -2.5551, 6.2356



52.8340, 8.7319, 32.7089



17.0608, 1.6639, 10.5419



# Inverse Universe

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



36.2477, 40.2556, -131.7069



35.4973, 42.1734, -135.4087



28.3352, 73.0161, -179.2220



42.7529, -1.9475, -1.7728



26.1012, 29.2182, -95.6978



9.1979, 6.3698, -25.2471



# Previews

## White Background



This preview shows how the HunterLab color 73.1513, 12.0191, 45.1695 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 HunterLab color 73.1513, 12.0191, 45.1695 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](#).

## HunterLab 73.1513, 12.0191, 45.1695 Background



This preview shows how black text looks on a background with the HunterLab color 73.1513, 12.0191, 45.1695.



This preview shows how white text looks on a background with the HunterLab color 73.1513, 12.0191,



# 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

73.1513, 12.0191, 45.1695

### Protanopia

73.2674, -9.8176, 44.5784

### Deuteranopia

73.2758, 5.2521, 45.2442



## Tritanopia

73.0381, 28.4854, 10.0171

# Trichromacy



## Original Color

73.1513, 12.0191, 45.1695

## Protanomaly

73.1967, -2.4004, 44.7797

## Deuteranomaly

73.2120, 7.9405, 45.2054

## Tritanomaly

72.4096, 19.6990, 31.1830

# Monochromacy



## Original Color

73.1513, 12.0191, 45.1695

## Achromatopsia

68.3947, -3.6494, 3.7160

## Achromatomaly

69.2178, -2.2777, 27.9306

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 73.1513, 12.0191, 45.1695 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(255, 179, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 5)  
}
```

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(255, 179, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 5) }
```

## Border

The CSS property to change the border of an element to HunterLab 73.1513, 12.0191, 45.1695 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(255, 179, 5) }
```



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

```
.border{ border-color:rgb(255, 179, 5) }
```

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

Here you see how a box with a 4 pixel rgb(255, 179, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
5) }
```

# Background

The CSS property to change the background color of an element to HunterLab 73.1513, 12.0191, 45.1695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 5) }
```

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

```
.background{ background-color: rgb(255,  
179, 5) }
```

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