

# Converting Colors

HunterLab(67.8010, 14.7269,  
39.5484)

Have a look what the booklet for  
HunterLab(67.8010, 14.7269,  
39.5484) contains.

<b>HunterLab(67.8240, 14.4951, 39.6021)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(67.8240, 14.4951,  
39.6021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2A530
RGB	242, 165, 48
RGB Percent	95%, 65%, 19%
CMY	0.0510, 0.3529, 0.8117
CMYK	0.00, 0.32, 0.80, 0.05
HSL	36°, 88%, 57%
HSV	36°, 80%, 95%
XYZ	50.6066, 46.0009, 9.0082
YIQ	174.6850, 83.4490, -20.0630

# Conversions

## Conversions Part 2

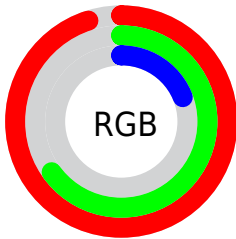
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 242, 48
Decimal	15902000
CIE <sub>Lab</sub>	73.55, 19.27, 67.24
CIE <sub>LCh</sub>	74, 69.950, 74.005
Yxy	46.0033, 0.4791, 0.4356
Android (android.graphics.Color)	4294092080 (0xFFFF2A530)
YUV	174.6850, -62.4557, 59.0353
Hunter-Lab	67.8240, 14.4951, 39.6021

# Details

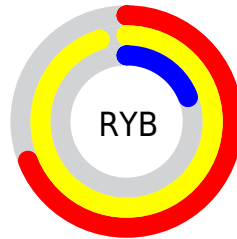
The HunterLab color **67.8240, 14.4951, 39.6021** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **46.5894, 12.6402, -77.9743**, and the grayscale version is **65.5719, -3.4988, 3.5626**.

A 20% lighter version of the original color is **85.7006, -5.5692, 43.6501**, and **46.3827, 13.9921, 28.8258** is the 20% darker color. If you saturate the color by 10%, you get **65.2067, 18.8434, 39.7338**, and if you desaturate by 10%, it is **70.6091, 10.5407, 38.5161**.

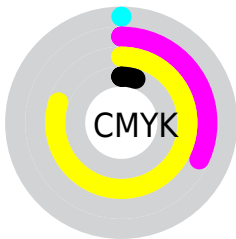
# Distribution



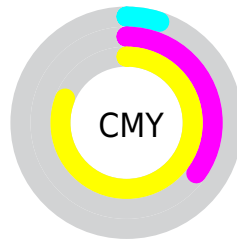
- Red (95%)
- Green (65%)
- Blue (19%)



- Red (69%)
- Yellow (95%)
- Blue (19%)



- Cyan (0%)
- Magenta (32%)
- Yellow (80%)
- Black (5%)




- Cyan (5%)
- Magenta (35%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 67.8240, 14.4951, 39.6021 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 67.8240, 14.4951, 39.6021 by changing the saturation by 10% instead.





 67.8240, 14.4951,  
39.6021


 67.8240, 14.4951,  
39.6021


192.5674, 14.7380,  
75.1690


 56.7877, 14.1452,  
34.8963


 91.7736, 14.9542,  
48.4185


 46.4234, 13.7105,  
29.9569


 104.6224, 15.0847,  
52.5774


 36.7799, 13.1753,  
24.8623


 118.0205, 15.1550,  
56.5987

 27.9157, 12.5242,  
19.5410

 131.9462, 15.1696,  
60.4998

 19.9065, 11.7372,  
13.9345

 146.3803, 15.1322,  
64.2956

 12.8558, 10.7901,  
8.9990

 161.3053, 15.0460,

 6.2670, 13.0670,

67.9988

4.3869

176.7058, 14.9138,  
71.6202

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 67.8240, 14.4951,  
39.6021

■ 67.8240, 14.4951,  
39.6021

■ 65.2067, 18.8434,  
39.7338

■ 70.6091, 10.5407,  
38.5161

■ 62.7861, 23.4308,  
39.0987


■ 73.5526, 7.0233,  
36.4463


■ 76.6495, 3.9519,  
33.4061


■ 79.8925, 1.3254,  
29.4312


■ 83.2736, -0.8664,

24.5708

 86.7849, -2.6398,  
18.8806

 90.4186, -4.0150,  
12.4186

 94.1672, -5.0145,  
5.2425

 97.6581, -7.6701,  
2.6041

# Harmonies

## Analogous

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



67.8257, 47.4976, 33.3894



67.8240, 14.4951, 39.6021



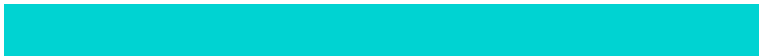
67.8257, -18.1093, 39.7719

# Triad

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



67.8257, 14.4914, 39.6028



67.8257, -54.2771, -12.3483



67.8257, 45.5431, -54.5802

# Complementary

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



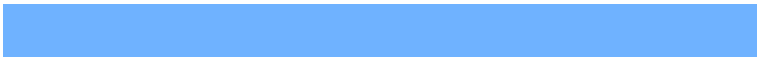
67.8240, 14.4951, 39.6021



46.5894, 12.6402, -77.9743

# 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.



67.8257, 12.1921, -83.1571



67.8240, 14.4951, 39.6021



67.8257, -43.0114, -52.0334

# Square

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



67.8257, 14.4914, 39.6028



67.8257, -53.8945, 18.1288



67.8257, -20.0150, -82.0520



67.8257, 67.6035, -14.8394



# Rectangle

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



67.8240, 14.4951, 39.6021



67.8257, -35.1855, 36.8181



67.8257, -20.0150, -82.0520



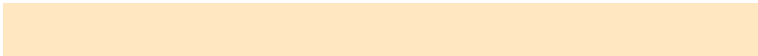
67.8257, 35.0329, -66.4941

# Sweetspot

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



67.8257, 14.4914, 39.6028



90.6290, -2.1182, 22.4952



47.4210, 72.9062, 5.9857



41.3146, -0.6641, 11.3962

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



67.8257, 14.4914, 39.6028



67.5891, 23.0001, 41.7938



89.0740, -30.4446, 52.4924



41.6473, -1.8813, 5.4861



46.3160, 16.5556, 28.8295



14.0652, 3.3543, 8.7256



# Inverse Universe

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



46.5894, 12.6402, -77.9743



42.2795, 25.1096, -106.1795



31.1972, 56.5572, -139.4346



40.3213, -2.3344, -1.2536



28.6209, 18.4152, -75.5267



9.3301, 2.9621, -18.0560



# Previews

## White Background



This preview shows how the HunterLab color 67.8240, 14.4951, 39.6021 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 67.8240, 14.4951, 39.6021 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 67.8240, 14.4951, 39.6021 Background



This preview shows how black text looks on a background with the HunterLab color 67.8240, 14.4951, 39.6021.



This preview shows how white text looks on a background with the HunterLab color 67.8240, 14.4951,



# 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

67.8240, 14.4951, 39.6021

### Protanopia

67.8175, -8.7334, 38.7957

### Deuteranopia

67.9621, 5.0908, 39.8012



## Tritanopia

67.8263, 32.6423, 10.8298

# Trichromacy



## Original Color

67.8240, 14.4951, 39.6021

## Protanomaly

67.5653, -0.5621, 38.8752

## Deuteranomaly

67.7472, 8.6645, 39.6351

## Tritanomaly

67.4363, 24.4131, 25.5061

# Monochromacy



## Original Color

67.8240, 14.4951, 39.6021

## Achromatopsia

65.4745, -3.4936, 3.5574

## Achromatomaly

65.4621, 0.1797, 21.5299

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 67.8240, 14.4951, 39.6021 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(242, 165, 48)` looks like.

```
.text, #text, p{  
    color:rgb(242, 165, 48)  
}
```

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(242, 165, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 165, 48) }
```

## Border

The CSS property to change the border of an element to HunterLab 67.8240, 14.4951, 39.6021 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(242, 165, 48) }
```



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

```
.border{ border-color:rgb(242, 165, 48) }
```

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

Here you see how a box with a 4 pixel rgb(242, 165, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 165, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 165, 48);  
box-shadow:4px 4px 4px 4px rgb(242, 165,  
48) }
```

# Background

The CSS property to change the background color of an element to HunterLab 67.8240, 14.4951, 39.6021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 165, 48) }
```

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

```
.background{ background-color: rgb(242,  
165, 48) }
```

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