

# Converting Colors

HunterLab(91.0881, 18.6912,  
45.4579)

Have a look what the booklet for  
HunterLab(91.0881, 18.6912,  
45.4579) contains.

<b>HunterLab(84.6499, -2.6239, 40.3272)</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(84.6499, -2.6239,  
40.3272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD875
RGB	255, 216, 117
RGB Percent	100%, 85%, 46%
CMY	0.0000, 0.1529, 0.5412
CMYK	0.00, 0.15, 0.54, 0.00
HSL	43°, 100%, 73%
HSV	43°, 54%, 100%
XYZ	69.0067, 71.6561, 27.0236
YIQ	216.3750, 55.0230, -22.5210

# Conversions

## Conversions Part 2

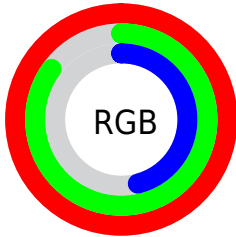
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 255, 117
Decimal	16767093
CIELab	87.80, 1.96, 53.28
CIELCh	88, 53.320, 87.895
Yxy	71.6595, 0.4115, 0.4273
Android (android.graphics.Color)	4294957173 (0xFFFFD875)
YUV	216.3750, -48.9919, 33.8741
Hunter-Lab	84.6499, -2.6239, 40.3272

# Details

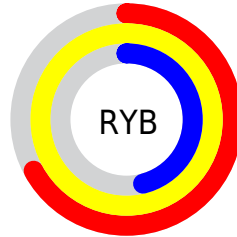
The HunterLab color  $84.6499, -2.6239, 40.3272$  is a light color, and the websafe version is hex  $\text{FFCC66}$ . A complement of this color would be  $58.9725, 9.6208, -58.6096$ , and the grayscale version is  $83.2185, -4.4403, 4.5214$ .

A 20% lighter version of the original color is  $97.8367, -17.3192, 36.6350$ , and  $61.3247, -1.1812, 32.9322$  is the 20% darker color. If you saturate the color by 10%, you get  $82.1751, -0.6554, 43.4009$ , and if you desaturate by 10%, it is  $87.2449, -4.1324, 36.1614$ .

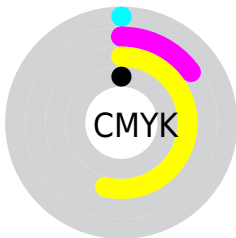
# Distribution



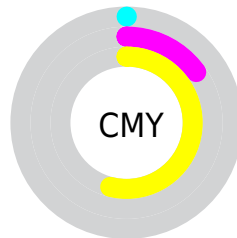
- Red (100%)
- Green (85%)
- Blue (46%)



- Red (67%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (15%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (15%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 84.6499, -2.6239, 40.3272 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 84.6499, -2.6239, 40.3272 by changing the saturation by 10% instead.



84.6499, -2.6239,  
40.3272

84.6499, -2.6239,  
40.3272

215.9526, -8.9515,  
68.3781

72.7190, -2.0826,  
36.7496

110.2598, -3.8220,  
47.1075

61.4064, -1.5762,  
33.0139

123.8850, -4.4685,  
50.3453

50.7501, -1.1107,  
29.0908

138.0293, -5.1457,  
53.5007

40.7933, -0.6898,  
24.9449

152.6744, -5.8522,  
56.5851

31.5893, -0.3180,  
20.5515

167.8037, -6.5871,  
59.6077

23.2054, -0.0016,  
16.2438

183.4021, -7.3491,

15.7316, 0.2504,

62.5764

11.0121

199.4559, -8.1376,  
65.4980

■ 9.2951, 0.4272,  
6.5066

0.0000, NaN, NaN

■ 84.6499, -2.6239,  
40.3272

■ 84.6499, -2.6239,  
40.3272

■ 82.1751, -0.6554,  
43.4009

■ 87.2449, -4.1324,  
36.1614

■ 79.8154, 1.7740,  
45.3838

■ 89.9519, -5.1709,  
30.9185

■ 77.5720, 4.6388,  
46.3119

■ 92.7697, -5.7499,  
24.6310

■ 75.4412, 7.8978,  
46.2695

■ 95.6950, -5.8813,  
17.3403

■ 74.2324, 9.9504,  
45.9159

■ 98.7238, -5.5808,  
9.0937

99.9999, -5.3359,  
5.4331

# Harmonies

## Analogous

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



84.6519, 24.5315, 36.4185



84.6499, -2.6239, 40.3272



84.6519, -27.2287, 37.4067

# Triad

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



84.6519, -2.6273, 40.3281



84.6519, -45.2884, -21.5765



84.6519, 43.5095, -25.6776

# Complementary

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



84.6499, -2.6239, 40.3272



58.9725, 9.6208, -58.6096

# 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.



84.6519, 20.8646, -50.9232



84.6499, -2.6239, 40.3272



84.6519, -30.1177, -48.0850

# Square

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



84.6519, -2.6273, 40.3281



84.6519, -49.9634, 6.3822



84.6519, -6.3989, -60.1755



84.6519, 53.1415, 2.7942



# Rectangle

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



84.6499, -2.6239, 40.3272



84.6519, -39.3461, 31.2503



84.6519, -6.3989, -60.1755



84.6519, 37.0393, -35.1178

# Sweetspot

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



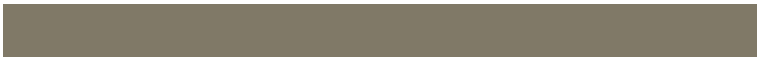
84.6519, -2.6273, 40.3281



95.1362, -5.8901, 18.7882



60.3216, 53.0792, 7.1400



43.7337, -2.7213, 9.4062

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



84.6519, -2.6273, 40.3281



81.9621, -0.4589, 43.6199



94.2484, -32.2584, 46.9229



44.9134, -2.6812, 6.3164



53.9072, 6.7360, 33.3353



17.3640, 1.1193, 10.7192



# Inverse Universe

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



58.9725, 9.6208, -58.6096



51.9504, 15.6360, -75.6886



51.1246, 37.7145, -77.5545



42.6771, -1.8210, -1.8670



25.3272, 31.4587, -99.5671



8.9464, 6.9864, -26.2639



# Previews

## White Background



This preview shows how the HunterLab color 84.6499, -2.6239, 40.3272 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

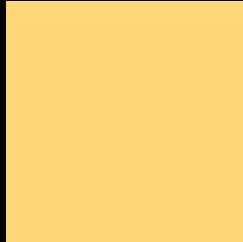
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 84.6499, -2.6239, 40.3272 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 84.6499, -2.6239, 40.3272 Background



This preview shows how black text looks on a background with the HunterLab color 84.6499, -2.6239, 40.3272.



This preview shows how white text looks on a background with the HunterLab color 84.6499, -2.6239,



# 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

84.6499, -2.6239, 40.3272

### Protanopia

84.6008, -9.0399, 39.7411

### Deuteranopia

84.4906, 2.9421, 28.7761



## Tritanopia

84.5808, 13.8819, 4.8974

# Trichromacy



## Original Color

84.6499, -2.6239, 40.3272

## Protanomaly

84.7025, -7.1211, 40.0713

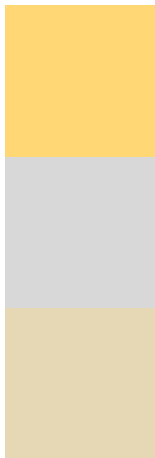
## Deuteranomaly

84.4788, 0.7463, 33.5503

## Tritanomaly

84.4200, 6.7904, 20.6743

# Monochromacy



## Original Color

84.6499, -2.6239, 40.3272

## Achromatopsia

82.8665, -4.4215, 4.5023

## Achromatomaly

83.2046, -5.2460, 20.4092

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 84.6499, -2.6239, 40.3272 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, 216, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 117)  
}
```

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, 216, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 117) }
```

## Border

The CSS property to change the border of an element to HunterLab 84.6499, -2.6239, 40.3272 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, 216, 117) }
```



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

```
.border{ border-color:rgb(255, 216, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
117) }
```

# Background

The CSS property to change the background color of an element to HunterLab 84.6499, -2.6239, 40.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 117) }
```

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

```
.background{ background-color: rgb(255,  
216, 117) }
```

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