

# Converting Colors

HunterLab(87.7212, -13.9705,  
25.7731)

Have a look what the booklet for  
HunterLab(87.7212, -13.9705,  
25.7731) contains.

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# Color

**HunterLab(87.6471,  
-13.8634, 25.6276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E7B1
RGB	228, 231, 177
RGB Percent	89%, 91%, 69%
CMY	0.1059, 0.0941, 0.3059
CMYK	0.01, 0.00, 0.23, 0.09
HSL	63°, 53%, 80%
HSV	63°, 23%, 91%
XYZ	68.5067, 76.8201, 52.8120
YIQ	223.9470, 15.5460, -17.4300

# Conversions

## Conversions Part 2

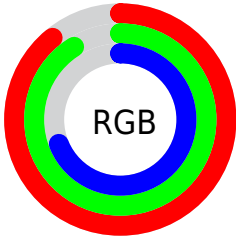
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 231, 180
Decimal	15001521
CIELab	90.24, -9.63, 26.03
CIELCh	90, 27.755, 110.299
Yxy	76.8236, 0.3457, 0.3877
Android (android.graphics.Color)	4293191601 (0xFFE4E7B1)
YUV	223.9470, -23.1449, 3.5545
Hunter-Lab	87.6471, -13.8634, 25.6276

# Details

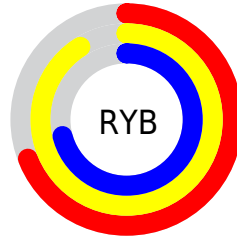
The HunterLab color  $87.6471, -13.8634, 25.6276$  is a light color, and the websafe version is hex  $FFFCC$ . A complement of this color would be  $68.4975, 7.7452, -23.0992$ , and the grayscale version is  $86.4081, -4.6105, 4.6947$ .

A 20% lighter version of the original color is  $99.3293, -9.0223, 15.0326$ , and  $64.2468, -11.9206, 21.7823$  is the 20% darker color. If you saturate the color by 10%, you get  $87.0457, -17.0060, 32.5451$ , and if you desaturate by 10%, it is  $88.3375, -10.2765, 17.5356$ .

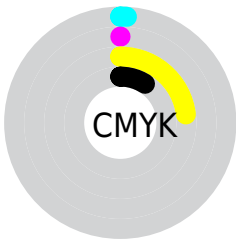
# Distribution



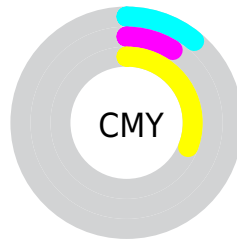
- Red (89%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (71%)



- Cyan (1%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 87.6471, -13.8634, 25.6276 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 87.6471, -13.8634, 25.6276 by changing the saturation by 10% instead.



■ 87.6471, -13.8634,  
25.6276

■ 87.6471, -13.8634,  
25.6276

220.0369,  
-24.3565, 42.3056

■ 75.5699, -12.7586,  
23.6600

■ 113.5299,  
-16.1091, 29.4565

■ 64.1031, -11.6582,  
21.6409

127.2834,  
-17.2476, 31.3309

■ 53.2832, -10.5616,  
19.5562

141.5513,  
-18.3985, 33.1864

■ 43.1516, -9.4646,  
17.3854

156.3158,  
-19.5626, 35.0273

■ 33.7586, -8.3605,  
15.0991

171.5606,  
-20.7401, 36.8570

■ 25.1678, -7.2385,  
12.6541

187.2712,

■ 17.4623, -6.0805,

-21.9315, 38.6785

10.1190

203.4341,  
-23.1369, 40.4940

■ 10.7589, -4.8509,  
7.5312

■ 1.6312, -2.8546,  
1.1418

■ 87.6471, -13.8634,  
25.6276

■ 87.6471, -13.8634,  
25.6276

■ 87.0457, -17.0060,  
32.5451

■ 88.3375, -10.2765,  
17.5356

■ 86.5246, -19.7035,  
38.3056

■ 89.1131, -6.2361,  
8.2580

■ 86.0824, -21.9702,  
42.9448

■ 89.9775, -1.7476,  
-2.2005

■ 85.7147, -23.8243,  
46.5126

■ 90.4006, 0.3121,  
-6.3394

85.4164, -25.2906,  
49.0768

90.5208, 0.7229,  
-6.1758

85.1811, -26.4023,  
50.7260

90.6416, 1.1355,  
-6.0115

85.0005, -27.2037,  
51.5776

90.7631, 1.5500,  
-5.8465

84.9021, -27.6138,  
51.8329

90.8854, 1.9664,  
-5.6807

91.0084, 2.3846,  
-5.5143

# Harmonies

## Analogous

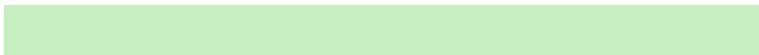
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6491, -0.0787, 26.5260



87.6471, -13.8634, 25.6276



87.6491, -24.5296, 19.6620

# Triad

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



87.6491, -13.8659, 25.6287



87.6491, -21.2930, -17.4152



87.6491, 23.5944, 0.3253

# Complementary

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



87.6471, -13.8634, 25.6276



68.4975, 7.7452, -23.0992

# Split Complementary

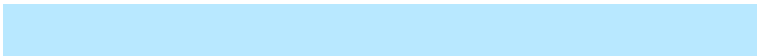
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6491, 17.1069, -13.3006



87.6471, -13.8634, 25.6276



87.6491, -9.1911, -24.5574

# Square

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



87.6491, -13.8659, 25.6287



87.6491, -28.6264, -4.6295



87.6491, 4.8975, -22.9432



87.6491, 22.1466, 13.2333

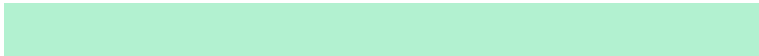


# Rectangle

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



87.6471, -13.8634, 25.6276



87.6491, -28.7123, 13.0063



87.6491, 4.8975, -22.9432



87.6491, 22.2546, -4.3502

# Sweetspot

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



87.6491, -13.8659, 25.6287



99.3556, -8.6886, 13.1900



72.5856, 13.5265, 10.9869



45.9418, -4.1481, 6.3976

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136

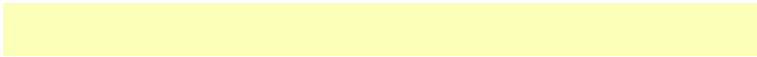


# Same Dimension

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



87.6491, -13.8659, 25.6287



97.7129, -17.2501, 32.5257



85.3165, -22.3431, 23.2737



40.9563, -4.0406, 6.4854



63.5825, -20.6207, 38.8182



17.3204, -5.4698, 10.5770



# Inverse Universe

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



68.4975, 7.7452, -23.0992



72.0918, 11.8560, -33.1775



71.0195, 15.9548, -19.0774



37.3165, 0.0215, -2.6561



18.1620, 48.9115, -126.3128

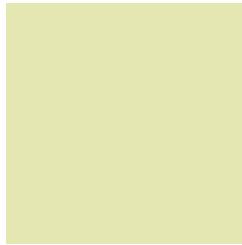


5.0728, 13.3989, -33.2457



# Previews

## White Background



This preview shows how the HunterLab color 87.6471, -13.8634, 25.6276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

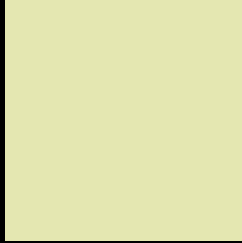
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 87.6471, -13.8634, 25.6276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

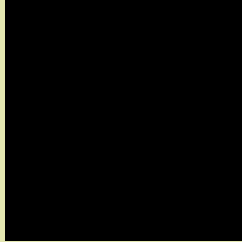
Any Text WCAG AA ✓ Pass

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 87.6471, -13.8634, 25.6276 Background



This preview shows how black text looks on a background with the HunterLab color 87.6471, -13.8634, 25.6276.



This preview shows how white text looks on a background with the HunterLab color 87.6471,

-13.8634, 25.6276.

# 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

87.6471, -13.8634, 25.6276

### Protanopia

87.6987, -7.2818, 26.4926

### Deuteranopia

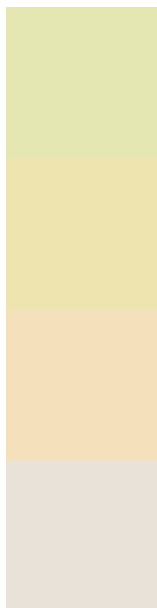
87.3736, 3.5267, 19.2669



## Tritanopia

87.6924, 2.6793, -1.6550

# Trichromacy



## Original Color

87.6471, -13.8634, 25.6276

## Protanomaly

87.5362, -9.4179, 25.9541

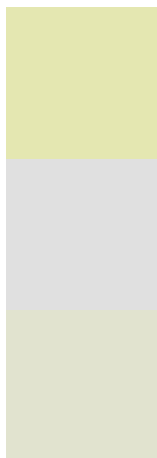
## Deuteranomaly

87.3811, -2.9999, 21.5093

## Tritanomaly

87.5934, -3.8651, 9.4730

# Monochromacy



## Original Color

87.6471, -13.8634, 25.6276

## Achromatopsia

86.3368, -4.6067, 4.6908

## Achromatomaly

86.8624, -8.6070, 13.0801

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 87.6471, -13.8634, 25.6276 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(228, 231, 177)` looks like.

```
.text, #text, p{  
    color:rgb(228, 231, 177)  
}
```

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(228, 231, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 231, 177) }
```

## Border

The CSS property to change the border of an element to HunterLab 87.6471, -13.8634, 25.6276 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(228, 231, 177) }
```



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

```
.border{ border-color:rgb(228, 231, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 231, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 231, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 231, 177);  
box-shadow:4px 4px 4px 4px rgb(228, 231,  
177) }
```

# Background

The CSS property to change the background color of an element to HunterLab 87.6471, -13.8634, 25.6276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 231, 177) }
```

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

```
.background{ background-color: rgb(228,  
231, 177) }
```

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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