

# Converting Colors

HunterLab(87.6854, -19.8152,  
43.8791)

Have a look what the booklet for  
HunterLab(87.6854, -19.8152,  
43.8791) contains.

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# Color

**HunterLab(87.5817,  
-19.7656, 43.8271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E96D
RGB	233, 233, 109
RGB Percent	91%, 91%, 43%
CMY	0.0863, 0.0863, 0.5725
CMYK	0.00, 0.00, 0.53, 0.09
HSL	60°, 74%, 67%
HSV	60°, 53%, 91%
XYZ	65.5034, 76.7055, 25.8212
YIQ	218.8640, 39.8040, -38.5640

# Conversions

## Conversions Part 2

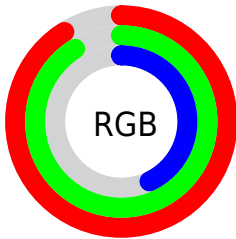
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 233, 109
Decimal	15329645
CIELab	90.19, -16.05, 59.28
CIELCh	90, 61.419, 105.149
Yxy	76.7091, 0.3898, 0.4565
Android (android.graphics.Color)	4293519725 (0xFFE9E96D)
YUV	218.8640, -54.1630, 12.3973
Hunter-Lab	87.5817, -19.7656, 43.8271

# Details

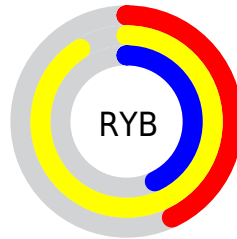
The HunterLab color  $87.5817, -19.7656, 43.8271$  is a light color, and the websafe version is hex  $FFFF99$ . A complement of this color would be  $44.8033, 27.1156, -73.9412$ , and the grayscale version is  $84.3228, -4.4993, 4.5814$ .

A 20% lighter version of the original color is  $97.7038, -18.0644, 38.5752$ , and  $64.2110, -17.0490, 35.9307$  is the 20% darker color. If you saturate the color by 10%, you get  $87.3337, -21.1831, 47.5093$ , and if you desaturate by 10%, it is  $87.9087, -17.9360, 39.0582$ .

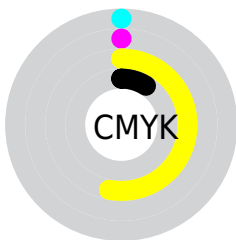
# Distribution



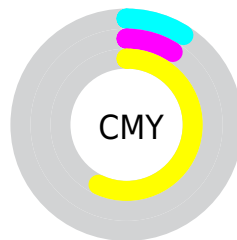
- Red (91%)
- Green (91%)
- Blue (43%)



- Red (43%)
- Yellow (91%)
- Blue (43%)



- Cyan (0%)
- Magenta (0%)
- Yellow (53%)
- Black (9%)



- Cyan (9%)
- Magenta (9%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 87.5817, -19.7656, 43.8271 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 87.5817, -19.7656, 43.8271 by changing the saturation by 10% instead.



87.5817, -19.7656,  
43.8271

87.5817, -19.7656,  
43.8271

219.9481,  
-32.5951, 74.3107

75.5077, -18.3425,  
39.9256

113.4587,  
-22.6030, 51.2183

64.0442, -16.9044,  
35.8538

127.2094,  
-24.0181, 54.7444

53.2279, -15.4476,  
31.5836

141.4746,  
-25.4349, 58.1776

43.1000, -13.9624,  
27.0835

156.2365,  
-26.8551, 61.5299

33.7111, -12.4348,  
22.3677

171.4789,  
-28.2802, 64.8114

25.1247, -10.8429,  
17.5873

187.1871,

17.4242, -9.1495,

-29.7113, 68.0307

12.1969

203.3476,  
-31.1494, 71.1950

■ 10.7264, -7.4529,  
7.5085

■ 1.4409, -2.5216,  
1.0086

■ 87.5817, -19.7656,  
43.8271

■ 87.5817, -19.7656,  
43.8271

■ 87.3337, -21.1831,  
47.5093

■ 87.9087, -17.9360,  
39.0582

■ 87.1531, -22.2074,  
50.1747

■ 88.3132, -15.6646,  
33.1457

■ 87.0353, -22.8770,  
51.9167

■ 88.8011, -12.9392,  
26.0511

■ 86.9718, -23.2382,  
52.8559

■ 89.3755, -9.7503,  
17.7495

■ 86.9505, -23.3590,  
53.1696

■ 90.0388, -6.0934,  
8.2287

■ 90.7930, -1.9686,  
-2.5109

■ 91.0090, -0.7937,  
-5.5691

■ 91.0091, -0.7933,  
-5.5689

■ 91.0092, -0.7929,  
-5.5688

# Harmonies

## Analogous

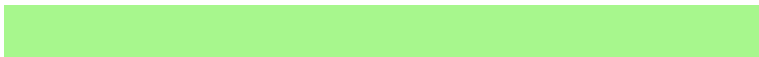
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5837, 11.1876, 43.8628



87.5817, -19.7656, 43.8271



87.5837, -43.1796, 36.1536

# Triad

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



87.5837, -19.7685, 43.8278



87.5837, -42.9996, -45.9294



87.5837, 60.9668, -11.1077

# Complementary

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



87.5817, -19.7656, 43.8271



44.8033, 27.1156, -73.9412

# 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.



87.5837, 41.8925, -45.6094



87.5817, -19.7656, 43.8271



87.5837, -19.4888, -69.9994

# Square

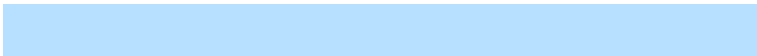
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5837, -19.7685, 43.8278



87.5837, -55.2623, -11.4450



87.5837, 11.5090, -69.8653



87.5837, 60.8641, 18.3724



# Rectangle

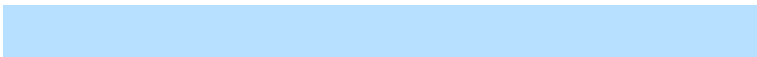
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5817, -19.7656, 43.8271



87.5837, -52.6168, 25.4689



87.5837, 11.5090, -69.8653



87.5837, 56.4795, -22.6774

# Sweetspot

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



87.5837, -19.7685, 43.8278



98.8154, -11.8642, 22.4300



54.1912, 42.9680, 18.3143



45.6546, -5.8325, 11.2715

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



87.5837, -19.7685, 43.8278



96.7200, -23.6108, 53.0063



82.4888, -38.9789, 39.7471



41.9845, -3.9515, 6.7105



65.4956, -17.5952, 40.0500



18.3533, -4.9304, 11.2229



# Inverse Universe

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



44.8033, 27.1156, -73.9412



41.3584, 40.9350, -109.4250



50.4777, 42.4102, -58.7081



38.1432, -0.1516, -2.8031



18.2710, 49.5599, -129.8208

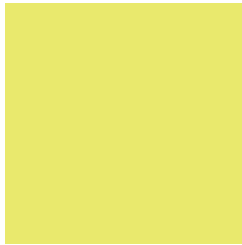


5.1201, 13.8878, -36.3775



# Previews

## White Background



This preview shows how the HunterLab color 87.5817, -19.7656, 43.8271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

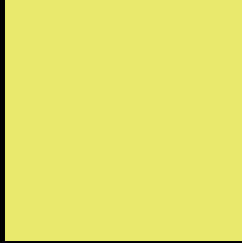
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 87.5817, -19.7656, 43.8271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

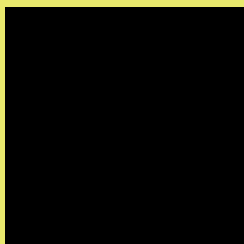
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

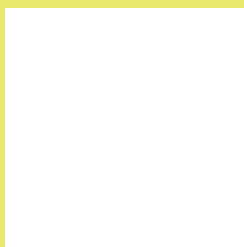
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 87.5817, -19.7656, 43.8271 Background



This preview shows how black text looks on a background with the HunterLab color 87.5817, -19.7656, 43.8271.



This preview shows how white text looks on a background with the HunterLab color 87.5817,

-19.7656, 43.8271.

# 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

87.5817, -19.7656, 43.8271

### Protanopia

87.4694, -10.4121, 44.2873

### Deuteranopia

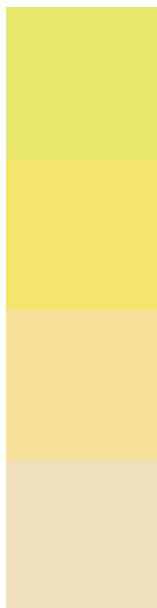
87.3317, 1.1486, 24.5183



## Tritanopia

87.3567, 7.4831, 0.0994

# Trichromacy



## Original Color

87.5817, -19.7656, 43.8271

## Protanomaly

87.3810, -13.9378, 43.9733

## Deuteranomaly

87.1537, -6.8665, 32.7857

## Tritanomaly

87.0229, -4.1420, 20.3602

# Monochromacy



## Original Color

87.5817, -19.7656, 43.8271

## Achromatopsia

84.1651, -4.4908, 4.5728

## Achromatomaly

85.0960, -11.4543, 22.5207

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 87.5817, -19.7656, 43.8271 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(233, 233, 109)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 109)  
}
```

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(233, 233, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 109) }
```

## Border

The CSS property to change the border of an element to HunterLab 87.5817, -19.7656, 43.8271 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(233, 233, 109) }
```



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

```
.border{ border-color:rgb(233, 233, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 233, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 109);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
109) }
```

# Background

The CSS property to change the background color of an element to HunterLab 87.5817, -19.7656, 43.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 109) }
```

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

```
.background{ background-color: rgb(233,  
233, 109) }
```

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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