

# Converting Colors

HunterLab(90.4437, -16.6507,  
16.4430)

Have a look what the booklet for  
HunterLab(90.4437, -16.6507,  
16.4430) contains.

<b>HunterLab(90.5176, -16.8982, 16.3932)</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(90.5176,  
-16.8982, 16.3932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF0D0
RGB	219, 240, 208
RGB Percent	86%, 94%, 82%
CMY	0.1412, 0.0588, 0.1843
CMYK	0.09, 0.00, 0.13, 0.06
HSL	99°, 52%, 88%
HSV	99°, 13%, 94%
XYZ	71.7587, 81.9344, 71.7074
YIQ	230.0730, -2.2440, -14.4040

# Conversions

## Conversions Part 2

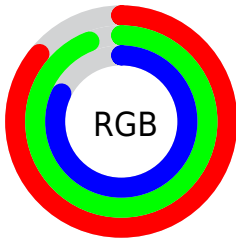
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 240, 229
Decimal	14414032
CIE Lab	92.55, -12.59, 13.14
CIE LCh	93, 18.199, 133.765
Yxy	81.9379, 0.3184, 0.3635
Android (android.graphics.Color)	4292604112 (0xFFDBF0D0)
YUV	230.0730, -10.8820, -9.7110
Hunter-Lab	90.5176, -16.8982, 16.3932

# Details

The HunterLab color  $90.5176, -16.8982, 16.3932$  is a light color, and the websafe version is hex  $FFFCC$ . A complement of this color would be  $82.5005, 8.3769, -8.2651$ , and the grayscale version is  $89.0354, -4.7507, 4.8375$ .

A 20% lighter version of the original color is  $100.0000, -5.3358, 5.4332$ , and  $66.7133, -14.3169, 13.6877$  is the 20% darker color. If you saturate the color by 10%, you get  $88.6091, -25.1125, 23.8176$ , and if you desaturate by 10%, it is  $92.6121, -8.0587, 8.0497$ .

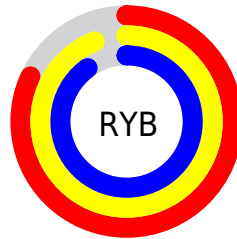
# Distribution



Red (86%)

Green (94%)

Blue (82%)



Red (82%)

Yellow (94%)

Blue (90%)

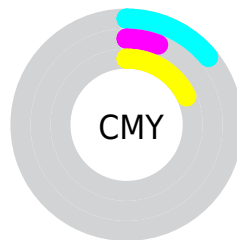


Cyan (9%)

Magenta (0%)

Yellow (13%)

Black (6%)



Cyan (14%)

Magenta (6%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 90.5176, -16.8982, 16.3932 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 90.5176, -16.8982, 16.3932 by changing the saturation by 10% instead.



■ 90.5176, -16.8982,  
16.3932

■ 90.5176, -16.8982,  
16.3932

223.9285,  
-28.4800, 28.2087

■ 78.3035, -15.6470,  
15.1090

116.6563,  
-19.4164, 18.9690

■ 66.6925, -14.3929,  
13.8201

130.5301,  
-20.6833, 20.2631

■ 55.7200, -13.1337,  
12.5224

144.9141,  
-21.9581, 21.5640

■ 45.4255, -11.8632,  
11.2086

159.7908,  
-23.2418, 22.8732

■ 35.8571, -10.5725,  
9.8675

175.1444,  
-24.5352, 24.1916

■ 27.0746, -9.2474,  
8.4821

190.9605,

■ 19.1561, -7.8647,

-25.8391, 25.5199

7.0242

207.2259,  
-27.1539, 26.8588

■ 12.2085, -6.3810,  
5.6632

■ 5.3105, -9.2934,  
3.7174

■ 90.5176, -16.8982,  
16.3932

■ 90.5176, -16.8982,  
16.3932

■ 88.6091, -25.1125,  
23.8176

■ 92.6121, -8.0587,  
8.0497

■ 86.8845, -32.6383,  
30.2711

■ 94.8477, 1.1675,  
-0.6748

■ 85.3481, -39.4267,  
35.7198

■ 95.2909, 2.6763,  
-0.1003

■ 84.0004, -45.4358,  
40.1454

■ 82.8399, -50.6364,  
43.5513

■ 81.8629, -55.0156,  
45.9675

■ 81.0625, -58.5813,  
47.4566

■ 80.4284, -61.3674,  
48.1240

■ 80.0870, -62.8478,  
48.2489

# Harmonies

## Analogous

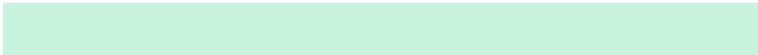
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5196, -9.0596, 19.9707



90.5176, -16.8982, 16.3932



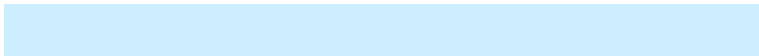
90.5196, -21.4066, 9.5649

# Triad

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



90.5196, -16.9003, 16.3944



90.5196, -9.7907, -13.0165



90.5196, 13.2375, 8.8905

# Complementary

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



90.5176, -16.8982, 16.3932



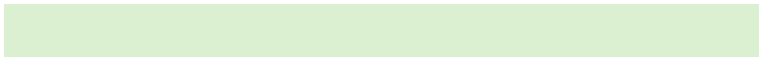
82.5005, 8.3769, -8.2651

# 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.



90.5196, 13.0223, 0.0304



90.5176, -16.8982, 16.3932



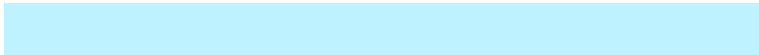
90.5196, -0.5309, -13.2441

# Square

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



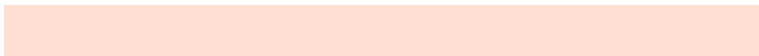
90.5196, -16.9003, 16.3944



90.5196, -17.4168, -7.6758



90.5196, 7.8978, -8.2692



90.5196, 8.4744, 15.9439



# Rectangle

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



90.5176, -16.8982, 16.3932



90.5196, -22.0320, 3.8005



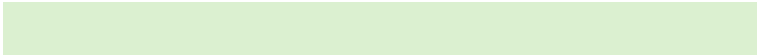
90.5196, 7.8978, -8.2692



90.5196, 13.7507, 6.0396

# Sweetspot

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



90.5196, -16.9003, 16.3944



99.0519, -9.2955, 9.2597



88.8880, -4.3655, 14.8911



45.7450, -4.6400, 4.6092

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136

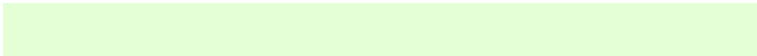


# Same Dimension

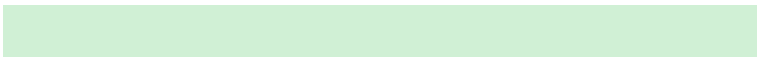
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5196, -16.9003, 16.3944



96.3928, -20.5644, 19.8235



89.7372, -19.4714, 13.4496



42.3325, -6.2867, 6.1573



59.3086, -46.2635, 35.7358



17.2608, -12.6974, 10.4137



# Inverse Universe

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



82.5005, 8.3769, -8.2651



86.0879, 11.9371, -11.9018



83.4560, 11.1973, -4.3274



39.6783, 2.0746, -1.9949



27.3364, 59.4124, -79.9932

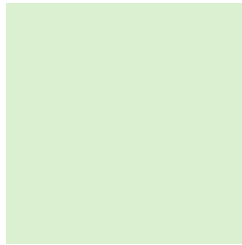


8.2249, 17.5686, -21.6871



# Previews

## White Background



This preview shows how the HunterLab color 90.5176, -16.8982, 16.3932 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 90.5176, -16.8982, 16.3932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

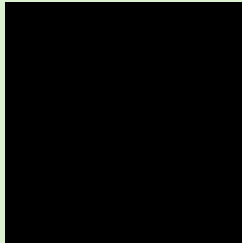
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

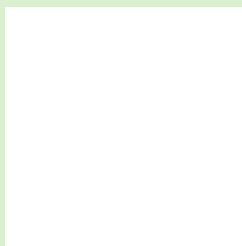
Any Text WCAG AAA ✓ Pass

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

## HunterLab 90.5176, -16.8982, 16.3932 Background



This preview shows how black text looks on a background with the HunterLab color 90.5176, -16.8982, 16.3932.



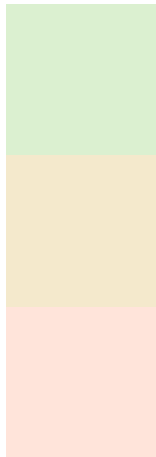
This preview shows how white text looks on a background with the HunterLab color 90.5176,

-16.8982,16.3932.

# 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

90.5176, -16.8982, 16.3932

### Protanopia

90.4824, -5.7585, 18.2208

### Deuteranopia

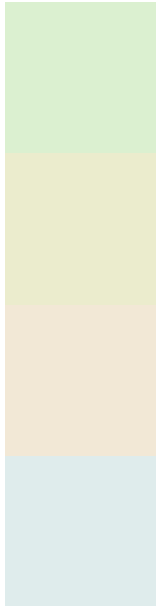
90.4482, 2.8293, 12.3033



## Tritanopia

90.5774, -4.0920, -4.5420

# Trichromacy



## Original Color

90.5176, -16.8982, 16.3932

## Protanomaly

90.5874, -10.1991, 17.8383

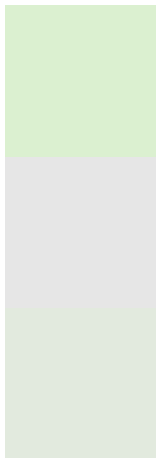
## Deuteranomaly

90.2472, -4.4233, 13.7369

## Tritanomaly

90.4074, -9.0134, 3.5079

# Monochromacy



## Original Color

90.5176, -16.8982, 16.3932

## Achromatopsia

88.9549, -4.7464, 4.8331

## Achromatomaly

89.6037, -9.4473, 9.3204

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 90.5176, -16.8982, 16.3932 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(219, 240, 208)` looks like.

```
.text, #text, p{  
    color:rgb(219, 240, 208)  
}
```

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(219, 240, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 240, 208) }
```

## Border

The CSS property to change the border of an element to HunterLab 90.5176, -16.8982, 16.3932 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(219, 240, 208) }
```



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

```
.border{ border-color:rgb(219, 240, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 240, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 240, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 240, 208);  
box-shadow:4px 4px 4px 4px rgb(219, 240,  
208) }
```

# Background

The CSS property to change the background color of an element to HunterLab 90.5176, -16.8982, 16.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 240, 208) }
```

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

```
.background{ background-color: rgb(219,  
240, 208) }
```

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