

# Converting Colors

HunterLab(70.6309, -39.7901,  
13.8032)

Have a look what the booklet for  
HunterLab(70.6309, -39.7901,  
13.8032) contains.

<b>HunterLab(70.5566, -39.7419, 13.6636)</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(70.5566,  
-39.7419, 13.6636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57D0A3
RGB	87, 208, 163
RGB Percent	34%, 82%, 64%
CMY	0.6588, 0.1843, 0.3608
CMYK	0.58, 0.00, 0.22, 0.18
HSL	158°, 56%, 58%
HSV	158°, 58%, 82%
XYZ	33.0972, 49.7823, 42.5149
YIQ	166.6910, -57.6710, -39.6470

# Conversions

## Conversions Part 2

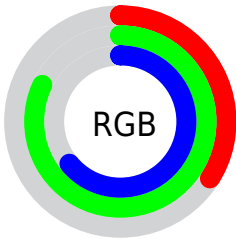
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 161, 208
Decimal	5755043
CIELab	75.94, -44.51, 12.33
CIELCh	76, 46.184, 164.516
Yxy	49.7843, 0.2639, 0.3970
Android (android.graphics.Color)	4283945123 (0xFF57D0A3)
YUV	166.6910, -1.8197, -69.8890
Hunter-Lab	70.5566, -39.7419, 13.6636

# Details

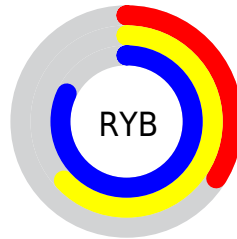
The HunterLab color **70.5566, -39.7419, 13.6636** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **46.7905, 46.2476, 1.9779**, and the grayscale version is **62.0618, -3.3115, 3.3719**.

A 20% lighter version of the original color is **90.9357, -40.8339, 12.0724**, and **48.9251, -33.5447, 11.3352** is the 20% darker color. If you saturate the color by 10%, you get **69.7527, -43.3613, 15.7637**, and if you desaturate by 10%, it is **71.5679, -35.3478, 11.6711**.

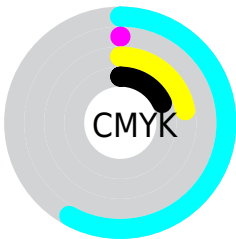
# Distribution



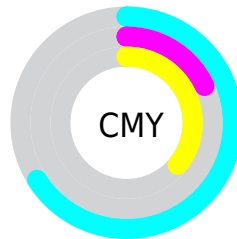
- Red (34%)
- Green (82%)
- Blue (64%)



- Red (34%)
- Yellow (63%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (22%)
- Black (18%)



- Cyan (66%)
- Magenta (18%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 70.5566, -39.7419, 13.6636 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 70.5566, -39.7419, 13.6636 by changing the saturation by 10% instead.



■ 70.5566, -39.7419,  
13.6636

■ 70.5566, -39.7419,  
13.6636

196.4235,  
-64.0723, 25.0641

■ 59.3650, -36.6515,  
12.4154

■ 94.7920, -45.5897,  
16.1547

■ 48.8358, -33.4107,  
11.1566

■ 107.7742,  
-48.3853, 17.4035

■ 39.0153, -29.9773,  
9.8793

■ 121.3002,  
-51.1146, 18.6580

■ 29.9588, -26.2882,  
8.5701

■ 135.3490,  
-53.7881, 19.9199

■ 21.7372, -22.2455,  
7.2074

149.9019,  
-56.4142, 21.1906

■ 14.4460, -17.9853,  
5.7529

164.9419,

■ 8.1070, -14.1872,

-58.9999, 22.4710

5.6749

180.4537,  
-61.5510, 23.7620

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 70.5566, -39.7419,  
13.6636

■ 70.5566, -39.7419,  
13.6636

■ 69.7527, -43.3613,  
15.7637

■ 71.5679, -35.3478,  
11.6711

■ 69.1403, -46.2167,  
17.9364

■ 72.7895, -30.1892,  
9.8125

■ 68.7041, -48.3523,  
20.1461

■ 74.2262, -24.2997,  
8.1124

■ 68.4146, -49.8719,  
22.3474


■ 75.8782, -17.7279,  
6.5894

■ 68.3685, -50.1196,


■ 77.7430, -10.5335,


22.7391

5.2569

 79.8160, -2.7824,  
4.1229

 82.0906, 5.4570,  
3.1910

 84.5593, 14.1174,  
2.4606

 84.9914, 16.0296,  
-0.9313

# Harmonies

## Analogous

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



70.5580, -30.7802, 26.7406



70.5566, -39.7419, 13.6636



70.5580, -39.8867, -6.8855

# Triad

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



70.5580, -39.7426, 13.6643



70.5580, 7.0317, -46.5960



70.5580, 28.6239, 26.4409

# Complementary

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



70.5566, -39.7419, 13.6636



46.7905, 46.2476, 1.9779

# 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.



70.5580, 41.4921, 13.1092



70.5566, -39.7419, 13.6636



70.5580, 28.0385, -30.8554

# Square

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



70.5580, -39.7426, 13.6643



70.5580, -14.5980, -46.3103



70.5580, 41.2657, -7.6365



70.5580, 7.7561, 32.4447



# Rectangle

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



70.5566, -39.7419, 13.6636



70.5580, -35.0489, -22.6492



70.5580, 41.2657, -7.6365



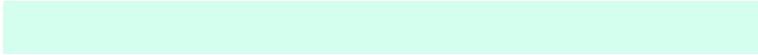
70.5580, 34.1349, 22.8813

# Sweetspot

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



70.5580, -39.7426, 13.6643



95.7548, -21.4740, 8.1230



71.2880, -39.5922, 35.7343



44.0924, -10.7508, 3.9274

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



70.5580, -39.7426, 13.6643



87.5982, -55.6420, 20.5665



67.1669, -25.6355, -11.7392



36.5094, -5.3972, 2.5492



53.9914, -39.4572, 17.6923



12.8257, -8.9684, 3.3291



# Inverse Universe

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



46.7905, 46.2476, 1.9779



53.3646, 69.8719, 5.2840



48.4039, 34.7727, 19.3893



34.4673, 1.7658, 1.3994



29.5164, 51.7481, 9.7667

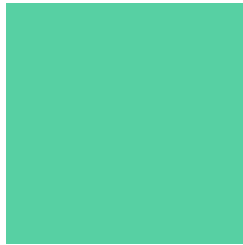


7.0873, 12.6309, 0.7529



# Previews

## White Background



This preview shows how the HunterLab color 70.5566, -39.7419, 13.6636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

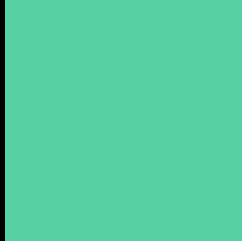
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 70.5566, -39.7419, 13.6636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

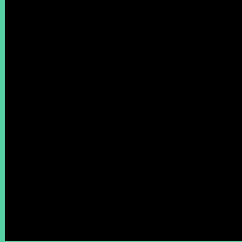
Any Text WCAG AA ✓ Pass

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 70.5566, -39.7419, 13.6636 Background



This preview shows how black text looks on a background with the HunterLab color 70.5566, -39.7419, 13.6636.



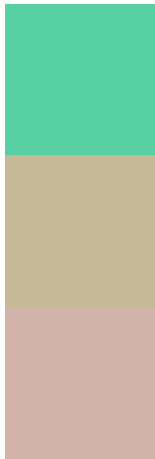
This preview shows how white text looks on a background with the HunterLab color 70.5566,

-39.7419, 13.6636.

# 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

70.5566, -39.7419, 13.6636

### Protanopia

69.8822, -4.6878, 17.7758

### Deuteranopia

69.8616, 5.1368, 11.2822



## Tritanopia

70.5594, -24.2186, -12.1066

# Trichromacy



## Original Color

70.5566, -39.7419, 13.6636



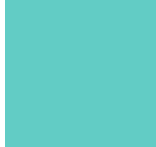
## Protanomaly

69.0712, -20.1511, 15.2101



## Deuteranomaly

69.0045, -14.9440, 10.8463



## Tritanomaly

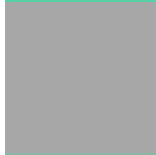
70.5788, -30.6752, -1.4212

# Monochromacy



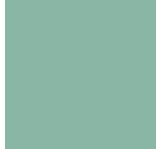
## Original Color

70.5566, -39.7419, 13.6636



## Achromatopsia

62.1634, -3.3169, 3.3775



## Achromatomaly

64.5076, -18.5516, 6.2661

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 70.5566, -39.7419, 13.6636 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(87, 208, 163)` looks like.

```
.text, #text, p{  
    color:rgb(87, 208, 163)  
}
```

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(87, 208, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 208, 163) }
```

## Border

The CSS property to change the border of an element to HunterLab 70.5566, -39.7419, 13.6636 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(87, 208, 163) }
```



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

```
.border{ border-color:rgb(87, 208, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 208, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 208, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 208, 163);  
box-shadow:4px 4px 4px 4px rgb(87, 208,  
163) }
```

# Background

The CSS property to change the background color of an element to HunterLab 70.5566, -39.7419, 13.6636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 208, 163) }
```

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

```
.background{ background-color: rgb(87, 208,  
163) }
```

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