

# Converting Colors

HunterLab(76.9948, 30.5095,  
38.3452)

Have a look what the booklet for  
HunterLab(76.9948, 30.5095,  
38.3452) contains.

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# Color

**HunterLab(72.7181, 17.4917,  
34.8657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAF66
RGB	255, 175, 102
RGB Percent	100%, 69%, 40%
CMY	0.0000, 0.3137, 0.6000
CMYK	0.00, 0.31, 0.60, 0.00
HSL	29°, 100%, 70%
HSV	29°, 60%, 100%
XYZ	58.9682, 52.8792, 19.6691
YIQ	190.5980, 71.1130, -5.7430

# Conversions

## Conversions Part 2

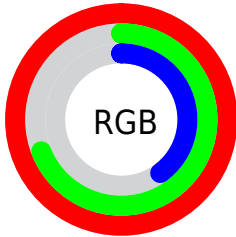
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 242, 102
Decimal	16756582
CIE Lab	77.81, 22.12, 48.67
CIE LCh	78, 53.461, 65.564
Yxy	52.8819, 0.4484, 0.4021
Android (android.graphics.Color)	4294946662 (0xFFFFAF66)
YUV	190.5980, -43.6788, 56.4806
Hunter-Lab	72.7181, 17.4917, 34.8657

# Details

The HunterLab color **72.7181, 17.4917, 34.8657** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.9534, -6.4661, -44.5220**, and the grayscale version is **72.1691, -3.8508, 3.9211**.

A 20% lighter version of the original color is **89.8768, -6.8761, 34.8044**, and **50.6323, 16.5477, 27.6848** is the 20% darker color. If you saturate the color by 10%, you get **68.9310, 22.8960, 36.9157**, and if you desaturate by 10%, it is **76.7573, 12.5520, 31.8750**.

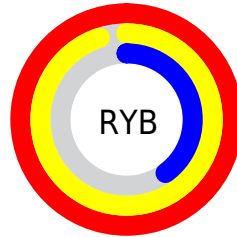
# Distribution



Red (100%)

Green (69%)

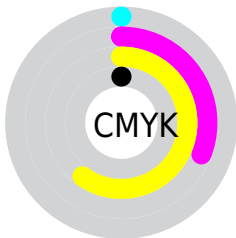
Blue (40%)



Red (100%)

Yellow (95%)

Blue (40%)

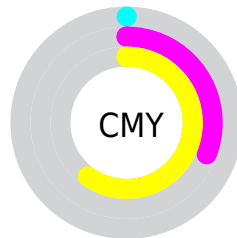


Cyan (0%)

Magenta (31%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 72.7181, 17.4917, 34.8657 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 72.7181, 17.4917, 34.8657 by changing the saturation by 10% instead.





 72.7181, 17.4917,  
34.8657


 72.7181, 17.4917,  
34.8657


199.4572, 18.4834,  
61.5401


 61.4072, 17.0506,  
31.4241


 97.1754, 18.1287,  
41.3507


 50.7509, 16.5238,  
27.8111


 110.2609, 18.3455,  
44.4348

 40.7941, 15.8961,  
23.9911


 123.8861, 18.5007,  
47.4348

 31.5900, 15.1535,  
19.9228

 138.0304, 18.5984,  
50.3633

 23.2061, 14.2785,  
16.2442

152.6756, 18.6425,  
53.2303

 15.7322, 13.2506,  
11.0125

167.8049, 18.6362,

 9.2956, 12.0622,

56.0442

6.5069

183.4033, 18.5823,  
58.8122

0.0000, INF, NaN

0.0000, NaN, NaN

■ 72.7181, 17.4917,  
34.8657

■ 72.7181, 17.4917,  
34.8657

■ 68.9310, 22.8960,  
36.9157

■ 76.7573, 12.5520,  
31.8750

■ 65.4112, 28.7453,  
37.9702

■ 81.0228, 8.0931,  
28.0136

■ 62.1796, 34.9687,  
38.0227

■ 85.4969, 4.0996,  
23.3622

■ 59.2452, 41.4217,  
37.2317

■ 90.1618, 0.5494,  
17.9999

■ 59.2450, 41.4222,

■ 95.0011, -2.5856,

37.2317

12.0008

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.



72.7199, 40.3610, 26.1628



72.7181, 17.4917, 34.8657



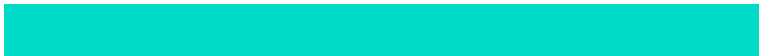
72.7199, -8.5686, 36.7207

# Triad

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



72.7199, 17.4880, 34.8666



72.7199, -46.4633, -0.7018



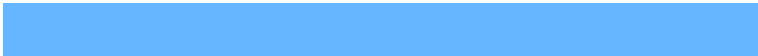
72.7199, 26.8243, -45.0071

# Complementary

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



72.7181, 17.4917, 34.8657



65.9534, -6.4661, -44.5220

# 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.



72.7199, 0.9222, -59.2916



72.7181, 17.4917, 34.8657



72.7199, -39.5654, -28.6572

# Square

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



72.7199, 17.4880, 34.8666



72.7199, -43.2907, 20.7031



72.7199, -23.0415, -52.4600



72.7199, 46.2494, -18.0531



# Rectangle

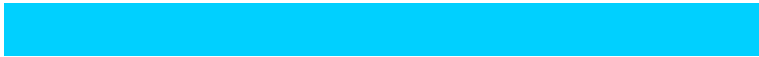
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7181, 17.4917, 34.8657



72.7199, -23.8201, 34.6765



72.7199, -23.0415, -52.4600



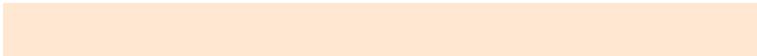
72.7199, 18.4618, -51.8056

# Sweetspot

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



72.7199, 17.4880, 34.8666



91.1160, -0.1096, 16.8493



58.4867, 64.2899, -8.5832



41.5131, 0.3956, 8.5662

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



72.7199, 17.4880, 34.8666



68.2048, 24.0326, 37.2074



95.1462, -20.5624, 50.4352



44.0647, -1.2632, 5.4078



43.1684, 29.1193, 27.1100



14.2532, 7.2810, 8.9102



# Inverse Universe

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



65.9534, -6.4661, -44.5220



60.2962, -3.1815, -55.9305



45.3668, 33.9162, -95.0938



43.5309, -3.2351, -0.8139



35.8963, 6.7386, -59.4140



12.1387, 0.3941, -16.0230



# Previews

## White Background



This preview shows how the HunterLab color 72.7181, 17.4917, 34.8657 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 72.7181, 17.4917, 34.8657 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 72.7181, 17.4917, 34.8657 Background



This preview shows how black text looks on a background with the HunterLab color 72.7181, 17.4917, 34.8657.



This preview shows how white text looks on a background with the HunterLab color 72.7181, 17.4917,



# 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

72.7181, 17.4917, 34.8657

### Protanopia

72.9518, -7.9474, 33.2830

### Deuteranopia

72.9422, 5.3921, 35.2410



## Tritanopia

72.7538, 28.8844, 10.1471

# Trichromacy



## Original Color

72.7181, 17.4917, 34.8657

## Protanomaly

72.5620, 1.3169, 33.5938

## Deuteranomaly

72.9523, 9.7974, 35.1182

## Tritanomaly

72.5623, 24.2306, 20.8644

# Monochromacy



## Original Color

72.7181, 17.4917, 34.8657

## Achromatopsia

72.1800, -3.8513, 3.9217

## Achromatomaly

71.7616, 2.1168, 17.1559

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 72.7181, 17.4917, 34.8657 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, 175, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 102)  
}
```

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, 175, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 102) }
```

## Border

The CSS property to change the border of an element to HunterLab 72.7181, 17.4917, 34.8657 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, 175, 102) }
```



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

```
.border{ border-color:rgb(255, 175, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
102) }
```

# Background

The CSS property to change the background color of an element to HunterLab 72.7181, 17.4917, 34.8657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 102) }
```

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

```
.background{ background-color: rgb(255,  
175, 102) }
```

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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