

# Converting Colors

HunterLab(58.7405, 32.4160,  
36.7631)

Have a look what the booklet for  
HunterLab(58.7405, 32.4160,  
36.7631) contains.

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# Color

**HunterLab(58.8029, 32.0812,  
36.7957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F28100
RGB	242, 129, 0
RGB Percent	95%, 51%, 0%
CMY	0.0510, 0.4941, 1.0000
CMYK	0.00, 0.47, 1.00, 0.05
HSL	32°, 100%, 47%
HSV	32°, 100%, 95%
XYZ	44.4683, 34.5778, 4.3305
YIQ	148.0810, 108.7570, -16.1630

# Conversions

## Conversions Part 2

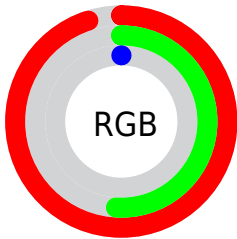
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 242, 0
Decimal	15892736
CIE <sub>Lab</sub>	65.42, 37.21, 72.11
CIE <sub>LCh</sub>	65, 81.143, 62.705
Yxy	34.5797, 0.5333, 0.4147
Android (android.graphics.Color)	4294082816 (0xFFFF28100)
YUV	148.0810, -73.0039, 82.3670
Hunter-Lab	58.8029, 32.0812, 36.7957

# Details

The HunterLab color **58.8029, 32.0812, 36.7957** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **42.6865, 17.0117, -90.0771**, and the grayscale version is **54.7071, -2.9190, 2.9723**.

A 20% lighter version of the original color is **74.5620, 11.5831, 41.2724**, and **38.7717, 30.2799, 24.4211** is the 20% darker color. If you saturate the color by 10%, you get **58.8034, 32.0793, 36.7960**, and if you desaturate by 10%, it is **61.4736, 26.5941, 37.5008**.

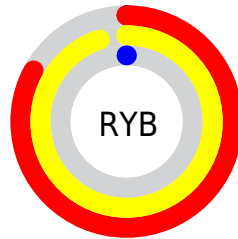
# Distribution



Red (95%)

Green (51%)

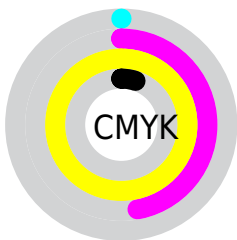
Blue (0%)



Red (83%)

Yellow (95%)

Blue (0%)

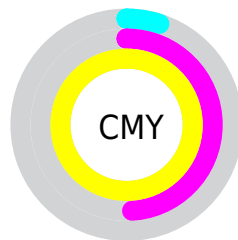


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (49%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 58.8029, 32.0812, 36.7957 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 58.8029, 32.0812, 36.7957 by changing the saturation by 10% instead.



58.8029, 32.0812,  
36.7957

58.8029, 32.0812,  
36.7957

179.6411, 38.8091,  
75.6354

48.3107, 30.8786,  
31.5978

81.7521, 34.1518,  
46.5173

38.5282, 29.5601,  
26.3024

94.1366, 35.0457,  
51.0843

29.5129, 28.1136,  
20.6591

107.0900, 35.8540,  
55.4861

21.3368, 26.5399,  
14.9358

120.5885, 36.5831,  
59.7429

14.0969, 24.8731,  
9.8679

134.6108, 37.2385,  
63.8722

7.7462, 24.5307,  
5.4224

149.1380, 37.8252,

0.0000, INF, NaN

67.8890

0.0000, NaN, NaN

164.1532, 38.3475,  
71.8064

0.0000, NaN, NaN

58.8029, 32.0812,  
36.7957

58.8029, 32.0812,  
36.7957

58.8034, 32.0793,  
36.7960

61.4736, 26.5941,  
37.5008

64.3607, 21.3927,  
37.4162

67.4642, 16.5794,  
36.3812

70.7732, 12.1972,  
34.3883

74.2750, 8.2633,  
31.4704

■ 77.9565, 4.7771,  
27.6818

■ 81.8047, 1.7264,  
23.0864

■ 85.8074, -0.9084,  
17.7507

■ 89.9530, -3.1514,  
11.7404

# Harmonies

## Analogous

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



58.8045, 67.1536, 28.8170



58.8029, 32.0812, 36.7957



58.8045, -6.3706, 38.2976

# Triad

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



58.8045, 32.0770, 36.7963



58.8045, -57.5296, 0.0092



58.8045, 39.1145, -83.5030

# Complementary

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



58.8029, 32.0812, 36.7957



42.6865, 17.0117, -90.0771

# 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.



58.8045, 0.1603, -107.8281



58.8029, 32.0812, 36.7957



58.8045, -50.7771, -44.6318

# Square

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



58.8045, 32.0770, 36.7963



58.8045, -52.8668, 26.0939



58.8045, -31.6292, -90.4924



58.8045, 71.8557, -35.6959



# Rectangle

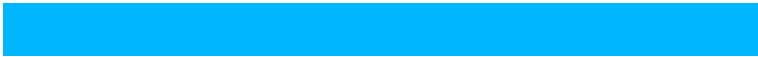
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.8029, 32.0812, 36.7957



58.8045, -27.5383, 37.3025



58.8045, -31.6292, -90.4924



58.8045, 26.0240, -95.6648

# Sweetspot

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



58.8045, 32.0770, 36.7963



86.7777, 1.8587, 24.5467



44.9010, 79.7519, 6.8528



39.3392, 1.4684, 12.3552

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



58.8045, 32.0770, 36.7963



62.3294, 34.2139, 39.0061



90.3743, -25.8211, 55.2360



41.4176, -1.4967, 5.2396



43.4194, 22.7933, 27.1539



13.2944, 4.9091, 8.2779



# Inverse Universe

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



42.6865, 17.0117, -90.0771



45.1990, 18.2683, -95.9309



25.3714, 68.7140, -179.4706



40.5531, -2.7174, -0.9685



31.7114, 11.5785, -64.6312



10.1683, 1.3396, -15.6012



# Previews

## White Background



This preview shows how the HunterLab color 58.8029, 32.0812, 36.7957 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 58.8029, 32.0812, 36.7957 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 58.8029, 32.0812, 36.7957 Background



This preview shows how black text looks on a background with the HunterLab color 58.8029, 32.0812, 36.7957.



This preview shows how white text looks on a background with the HunterLab color 58.8029, 32.0812,



# 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

58.8029, 32.0812, 36.7957

### Protanopia

59.0723, -8.1336, 35.5934

### Deuteranopia

58.7799, 3.8893, 36.2880



## Tritanopia

58.8084, 44.6569, 16.4299

# Trichromacy



## Original Color

58.8029, 32.0812, 36.7957

## Protanomaly

58.4983, 5.7952, 35.7619

## Deuteranomaly

58.5182, 13.9368, 36.3027

## Tritanomaly

58.4572, 38.8466, 28.8057

# Monochromacy



## Original Color

58.8029, 32.0812, 36.7957

## Achromatopsia

54.4186, -2.9036, 2.9567

## Achromatomaly

54.5921, 5.2905, 22.2311

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 58.8029, 32.0812, 36.7957 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(242, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 129, 0)  
}
```

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(242, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 129, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 58.8029, 32.0812, 36.7957 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(242, 129, 0) }
```



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

```
.border{ border-color:rgb(242, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 129,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 58.8029, 32.0812, 36.7957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 129, 0) }
```

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

```
.background{ background-color: rgb(242,  
129, 0) }
```

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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