

# Converting Colors

HunterLab(20.7831, 37.1609,  
1.2610)

Have a look what the booklet for  
HunterLab(20.7831, 37.1609,  
1.2610) contains.

<b>HunterLab(20.7830, 37.1612, 1.2612)</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(20.7830, 37.1612,  
1.2612)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78003C
RGB	120, 0, 60
RGB Percent	47%, 0%, 24%
CMY	0.5294, 1.0000, 0.7647
CMYK	0.00, 1.00, 0.50, 0.53
HSL	330°, 100%, 24%
HSV	330°, 100%, 47%
XYZ	8.5614, 4.3193, 4.6575
YIQ	42.7200, 52.2600, 44.1000

# Conversions

## Conversions Part 2

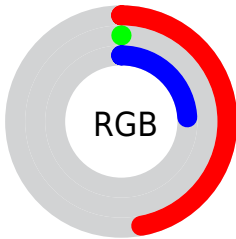
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 0, 60
Decimal	7864380
CIE <sub>Lab</sub>	24.70, 48.70, 0.23
CIE <sub>LCh</sub>	25, 48.699, 0.269
Yxy	4.3196, 0.4882, 0.2463
Android (android.graphics.Color)	4286054460 (0xFF78003C)
YUV	42.7200, 8.5190, 67.7746
Hunter-Lab	20.7830, 37.1612, 1.2612

# Details

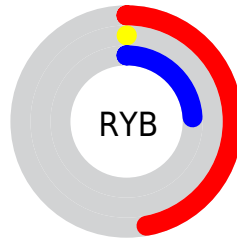
The HunterLab color **20.7830, 37.1612, 1.2612** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37.0937, -28.6662, 15.5194**, and the grayscale version is **15.4144, -0.8225, 0.8375**.

A 20% lighter version of the original color is **37.8221, 41.1015, 2.2201**, and **10.9632, 19.1732, 3.9963** is the 20% darker color. If you saturate the color by 10%, you get **20.7828, 37.1606, 1.2634**, and if you desaturate by 10%, it is **21.5631, 35.6141, -0.2620**.

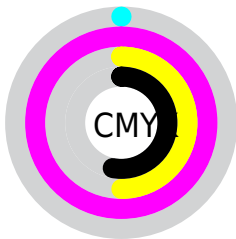
# Distribution



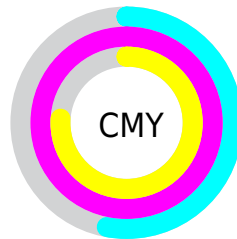
- Red (47%)
- Green (0%)
- Blue (24%)



- Red (47%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (53%)



- Cyan (53%)
- Magenta (100%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 20.7830, 37.1612, 1.2612 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 20.7830, 37.1612, 1.2612 by changing the saturation by 10% instead.



20.7830, 37.1612,  
1.2612

20.7830, 37.1612,  
1.2612

119.6001, 50.9115,  
6.7446

13.6158, 35.3117,  
0.8544

37.8536, 40.9266,  
2.2201

7.2141, 36.7414,  
0.5239

47.5830, 42.6735,  
2.7623

0.0000, INF, NaN

0.0000, NaN, NaN

58.0272, 44.3070,  
3.3427

0.0000, NaN, NaN

69.1403, 45.8286,  
3.9587

0.0000, NaN, NaN

80.8842, 47.2435,  
4.6085

0.0000, NaN, NaN

0.0000, NaN, NaN

93.2267, 48.5580,

5.2903

0.0000, NaN, NaN

106.1401, 49.7787,  
6.0028

20.7830, 37.1612,  
1.2612

20.7830, 37.1612,  
1.2612

20.7828, 37.1606,  
1.2634

21.5631, 35.6141,  
-0.2620

22.6158, 33.3696,  
-1.5536

24.0949, 30.0801,  
-2.3631

25.9772, 26.0270,  
-2.6822

28.2211, 21.5031,  
-2.5571

■ 30.7799, 16.7433,  
-2.0589

■ 33.6081, 11.9074,  
-1.2606

■ 36.6659, 7.0906,  
-0.2262

■ 39.9197, 2.3422,  
0.9926

# Harmonies

## Analogous

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



20.7836, 31.0288, -18.0365



20.7830, 37.1612, 1.2612



20.7836, 30.8170, 10.8604

# Triad

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



20.7836, 37.1589, 1.2618



20.7836, -13.9369, 14.4432



20.7836, -13.7600, -40.6782

# Complementary

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



20.7830, 37.1612, 1.2612



37.0937, -28.6662, 15.5194

# 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.



20.7836, -20.8768, -18.4480



20.7830, 37.1612, 1.2612



20.7836, -20.9563, 10.7637

# Square

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



20.7836, 37.1589, 1.2618



20.7836, -1.2476, 14.5485



20.7836, -23.0772, 0.9999



20.7836, -0.9722, -50.6702



# Rectangle

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



20.7830, 37.1612, 1.2612



20.7836, 21.1864, 13.5241



20.7836, -23.0772, 0.9999



20.7836, -16.7461, -33.8553

# Sweetspot

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



20.7836, 37.1589, 1.2618



44.2806, 16.2700, -1.7624



15.2223, 34.9723, -59.2182



20.9192, 8.9875, -1.0489



78.7982, -4.2045, 4.2813



27.9800, -1.4929, 1.5202



# Same Dimension

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



20.7836, 37.1589, 1.2618



27.5133, 49.1045, 2.3750



19.9834, 34.2189, 12.9117



20.1131, 0.9589, 0.5552



21.7007, 38.7895, 1.4141



47.2138, 84.0571, 5.6866



# Inverse Universe

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



20.7836, 37.1589, 1.2618



27.5133, 49.1045, 2.3750



38.4566, -20.3874, -4.0558



20.1131, 0.9589, 0.5552



21.7007, 38.7895, 1.4141

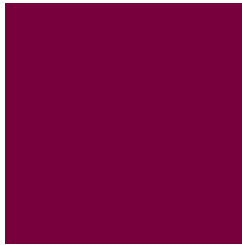


47.2138, 84.0571, 5.6866



# Previews

## White Background



This preview shows how the HunterLab color 20.7830, 37.1612, 1.2612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

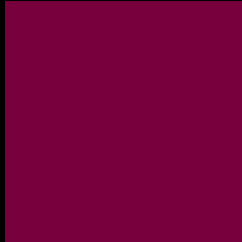
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the HunterLab color 20.7830, 37.1612, 1.2612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

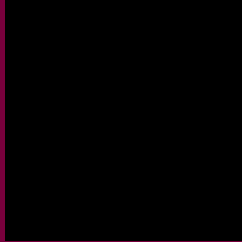
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# HunterLab 20.7830, 37.1612, 1.2612 Background



This preview shows how black text looks on a background with the HunterLab color 20.7830, 37.1612, 1.2612.



This preview shows how white text looks on a background with the HunterLab color 20.7830, 37.1612,



# 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

20.7830, 37.1612, 1.2612

### Protanopia

22.2387, 1.3633, -10.3123

### Deuteranopia

22.0162, 1.2314, 3.8542



## Tritanopia

21.3794, 29.0683, 11.2862

# Trichromacy



## Original Color

20.7830, 37.1612, 1.2612

## Protanomaly

19.1027, 15.9969, -9.7410

## Deuteranomaly

19.5076, 16.6589, 0.5473

## Tritanomaly

20.9694, 32.3604, 8.5390

# Monochromacy



## Original Color

20.7830, 37.1612, 1.2612

## Achromatopsia

15.5427, -0.8293, 0.8445

## Achromatomaly

15.3141, 14.5189, -1.5592

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 20.7830, 37.1612, 1.2612 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(120, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 60)  
}
```

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(120, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 60) }
```

## Border

The CSS property to change the border of an element to HunterLab 20.7830, 37.1612, 1.2612 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(120, 0, 60) }
```



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

```
.border{ border-color:rgb(120, 0, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 0, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(120, 0, 60)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 20.7830, 37.1612, 1.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 60) }
```

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

```
.background{ background-color: rgb(120, 0,  
60) }
```

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