

# Converting Colors

HunterLab(38.1360, -20.3637,  
22.6019)

Have a look what the booklet for  
HunterLab(38.1360, -20.3637,  
22.6019) contains.

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# Color

**HunterLab(38.1352,  
-20.3633, 22.6015)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	52750C
RGB	82, 117, 12
RGB Percent	32%, 46%, 5%
CMY	0.6784, 0.5412, 0.9529
CMYK	0.30, 0.00, 0.90, 0.54
HSL	80°, 81%, 25%
HSV	80°, 90%, 46%
XYZ	9.9073, 14.5429, 2.6327
YIQ	94.5650, 12.8450, -40.0750

# Conversions

## Conversions Part 2

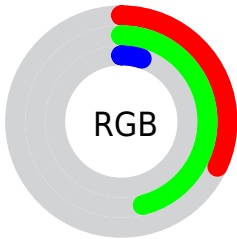
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 117, 47
Decimal	5403916
CIE Lab	45.00, -27.63, 47.34
CIE LCh	45, 54.814, 120.268
Yxy	14.5436, 0.3658, 0.5370
Android (android.graphics.Color)	4283593996 (0xFF52750C)
YUV	94.5650, -40.7045, -11.0195
Hunter-Lab	38.1352, -20.3633, 22.6015

# Details

The HunterLab color  $[38.1352, -20.3633, 22.6015]$  is a dark color, and the websafe version is hex  $336600$ . A complement of this color would be  $[14.6698, 29.2688, -58.4705]$ , and the grayscale version is  $[33.8105, -1.8040, 1.8370]$ .

A 20% lighter version of the original color is  $[58.2616, -24.6804, 29.9031]$ , and  $[21.0370, -14.4804, 12.7094]$  is the 20% darker color. If you saturate the color by 10%, you get  $[37.8784, -21.4564, 22.9512]$ , and if you desaturate by 10%, it is  $[38.4209, -19.1420, 22.0307]$ .

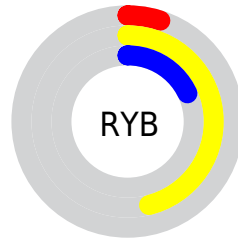
# Distribution



Red (32%)

Green (46%)

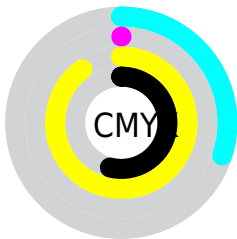
Blue (5%)



Red (5%)

Yellow (46%)

Blue (18%)

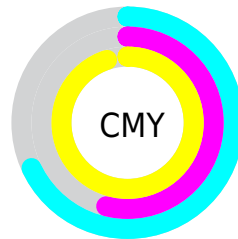


Cyan (30%)

Magenta (0%)

Yellow (90%)

Black (54%)



Cyan (68%)

Magenta (54%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 38.1352, -20.3633, 22.6015 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 38.1352, -20.3633, 22.6015 by changing the saturation by 10% instead.



■ 38.1352, -20.3633,  
22.6015

■ 38.1352, -20.3633,  
22.6015

148.5216,  
-38.6783, 51.4543

■ 29.1542, -17.9605,  
18.5585

■ 58.3528, -24.8081,  
29.9664

■ 21.0150, -15.3657,  
14.7105

■ 69.4854, -26.9084,  
33.3673

■ 13.8169, -12.4788,  
9.6718

■ 81.2479, -28.9529,  
36.6243

■ 7.4419, -13.0233,  
5.2093

■ 93.6080, -30.9537,  
39.7618

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 106.5381,  
-32.9201, 42.7993

0.0000, NaN, NaN

■ 120.0143,

0.0000, NaN, NaN

-34.8595, 45.7525

0.0000, NaN, NaN

134.0151,  
-36.7774, 48.6340

38.1352, -20.3633,  
22.6015

38.1352, -20.3633,  
22.6015

37.8784, -21.4564,  
22.9512

38.4209, -19.1420,  
22.0307

37.8719, -21.4844,  
22.9603

38.7436, -17.7294,  
21.0812

39.1065, -16.1170,  
19.7207

39.5114, -14.2997,  
17.9269

39.9595, -12.2758,  
15.6855

■ 40.4515, -10.0468,  
12.9893

■ 40.9880, -7.6162,  
9.8366

■ 41.5691, -4.9897,  
6.2310

■ 42.1947, -2.1747,  
2.1803

# Harmonies

## Analogous

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



38.1360, -2.2259, 23.9921



38.1352, -20.3633, 22.6015



38.1360, -31.1968, 16.6567

# Triad

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



38.1360, -20.3642, 22.6017



38.1360, -20.1013, -48.7566



38.1360, 47.4472, 2.2554

# Complementary

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



38.1352, -20.3633, 22.6015



14.6698, 29.2688, -58.4705

# 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.



38.1360, 39.8439, -22.3731



38.1352, -20.3633, 22.6015



38.1360, -1.8475, -59.9600

# Square

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



38.1360, -20.3642, 22.6017



38.1360, -31.0698, -22.8684



38.1360, 20.5765, -48.3775



38.1360, 39.5802, 16.8271



# Rectangle

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



38.1352, -20.3633, 22.6015



38.1360, -34.2851, 8.0262



38.1360, 20.5765, -48.3775



38.1360, 46.5995, -5.0209

# Sweetspot

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



38.1360, -20.3642, 22.6017



54.2716, -12.8017, 16.5698



24.1703, 19.8812, 14.3880



25.9371, -6.5276, 8.4361



77.7063, -4.1462, 4.2219



27.0627, -1.4440, 1.4704



# Same Dimension

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



38.1360, -20.3642, 22.6017



50.6033, -29.0475, 30.6730



36.0810, -28.7632, 21.1575



20.5135, -2.3655, 2.9388



39.7407, -22.5939, 24.0925



87.4529, -50.9783, 52.9956



# Inverse Universe

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



14.6698, 29.2688, -58.4705



17.3317, 42.9506, -91.6643



20.5635, 38.1735, -35.1872



19.0885, 0.3066, -0.9369



13.7204, 33.8099, -71.0819



29.5786, 73.9672, -161.6050



# Previews

## White Background



This preview shows how the HunterLab color 38.1352, -20.3633, 22.6015 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 × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

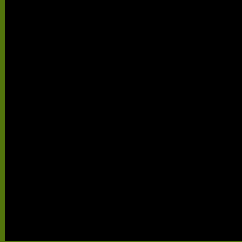
Any Text WCAG AA × Fail

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 38.1352, -20.3633, 22.6015 Background



This preview shows how black text looks on a background with the HunterLab color 38.1352, -20.3633, 22.6015.



This preview shows how white text looks on a background with the HunterLab color 38.1352, -20.3633, 22.6015.

-20.3633, 22.6015.

# 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

38.1352, -20.3633, 22.6015

### Protanopia

37.8371, -5.1783, 22.9094

### Deuteranopia

38.0077, 2.3390, 22.0265



## Tritanopia

38.1429, -5.0064, -2.7445

# Trichromacy



## Original Color

38.1352, -20.3633, 22.6015

## Protanomaly

37.7303, -11.2953, 22.6454

## Deuteranomaly

37.6971, -6.9980, 22.0654

## Tritanomaly

37.7845, -12.6205, 11.4544

# Monochromacy



## Original Color

38.1352, -20.3633, 22.6015

## Achromatopsia

33.8283, -1.8050, 1.8380

## Achromatomaly

35.0083, -10.1704, 12.9242

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 38.1352, -20.3633, 22.6015 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(82, 117, 12)` looks like.

```
.text, #text, p{  
    color:rgb(82, 117, 12)  
}
```

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(82, 117, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 117, 12) }
```

## Border

The CSS property to change the border of an element to HunterLab 38.1352, -20.3633, 22.6015 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(82, 117, 12) }
```



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

```
.border{ border-color:rgb(82, 117, 12) }
```

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

Here you see how a box with a 4 pixel rgb(82, 117, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 117, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 117, 12);  
box-shadow:4px 4px 4px 4px rgb(82, 117,  
12) }
```

# Background

The CSS property to change the background color of an element to HunterLab 38.1352, -20.3633, 22.6015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 117, 12) }
```

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

```
.background{ background-color: rgb(82, 117,  
12) }
```

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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