

# Converting Colors

HunterLab(40.1188, -15.5332,  
23.1918)

Have a look what the booklet for  
HunterLab(40.1188, -15.5332,  
23.1918) contains.

<b>HunterLab(40.1786, -15.4224, 23.2126)</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(40.1786,  
-15.4224, 23.2126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	677718
RGB	103, 119, 24
RGB Percent	40%, 47%, 9%
CMY	0.5961, 0.5333, 0.9059
CMYK	0.13, 0.00, 0.80, 0.53
HSL	70°, 66%, 28%
HSV	70°, 80%, 47%
XYZ	12.3552, 16.1432, 3.3290
YIQ	103.3860, 20.9590, -32.9370

# Conversions

## Conversions Part 2

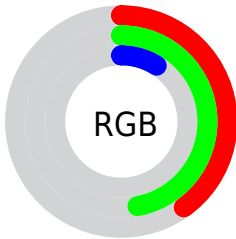
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 119, 40
Decimal	6780696
CIE <sub>Lab</sub>	47.16, -18.97, 46.36
CIE <sub>LCh</sub>	47, 50.091, 112.250
Yxy	16.1439, 0.3882, 0.5072
Android (android.graphics.Color)	4284970776 (0xFF677718)
YUV	103.3860, -39.1373, -0.3385
Hunter-Lab	40.1786, -15.4224, 23.2126

# Details

The HunterLab color  $40.1786, -15.4224, 23.2126$  is a dark color, and the websafe version is hex  $666600$ . A complement of this color would be  $15.6101, 24.5067, -56.2449$ , and the grayscale version is  $37.1127, -1.9802, 2.0164$ .

A 20% lighter version of the original color is  $60.6760, -18.5978, 30.3814$ , and  $22.9420, -11.1939, 13.9408$  is the 20% darker color. If you saturate the color by 10%, you get  $39.9845, -16.2662, 23.8328$ , and if you desaturate by 10%, it is  $40.4039, -14.4210, 22.2061$ .

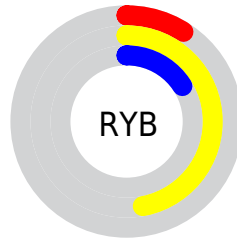
# Distribution



Red (40%)

Green (47%)

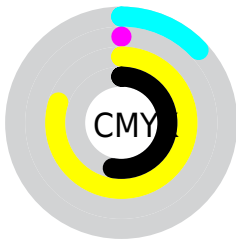
Blue (9%)



Red (9%)

Yellow (47%)

Blue (16%)

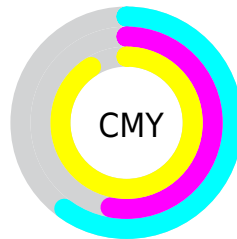


Cyan (13%)

Magenta (0%)

Yellow (80%)

Black (53%)



Cyan (60%)

Magenta (53%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 40.1786, -15.4224, 23.2126 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 40.1786, -15.4224, 23.2126 by changing the saturation by 10% instead.



■ 40.1786, -15.4224,  
23.2126

■ 40.1786, -15.4224,  
23.2126

151.7200,  
-29.6578, 51.3181

■ 31.0259, -13.6758,  
19.3005

■ 60.7025, -18.7402,  
30.3502

■ 22.6974, -11.8298,  
15.8021

■ 71.9741, -20.3426,  
33.6552

■ 15.2858, -9.8306,  
10.7001

■ 83.8682, -21.9216,  
36.8256

■ 8.9048, -9.7569,  
6.2334

■ 96.3537, -23.4842,  
39.8843

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 109.4037,  
-25.0356, 42.8496

0.0000, NaN, NaN

■ 122.9949,

0.0000, NaN, NaN

-26.5797, 45.7361

0.0000, NaN, NaN

137.1065,  
-28.1196, 48.5557

40.1786, -15.4224,  
23.2126

40.1786, -15.4224,  
23.2126

39.9845, -16.2662,  
23.8328

40.4039, -14.4210,  
22.2061

39.8082, -17.0096,  
24.2231

40.6603, -13.2457,  
20.7759

39.8052, -17.0222,  
24.2298

40.9508, -11.8884,  
18.8950

41.2770, -10.3433,  
16.5437

41.6402, -8.6071,  
13.7089

■ 42.0414, -6.6787,  
10.3834

■ 42.4813, -4.5589,  
6.5648

■ 42.9604, -2.2506,  
2.2556

■ 43.4788, 0.2421,  
-2.5380

# Harmonies

## Analogous

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



40.1795, 3.0547, 23.9444



40.1786, -15.4224, 23.2126



40.1795, -27.7783, 18.5084

# Triad

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



40.1795, -15.4236, 23.2129



40.1795, -22.6839, -37.6541



40.1795, 42.3459, -2.9450

# Complementary

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



40.1786, -15.4224, 23.2126



15.6101, 24.5067, -56.2449

# 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.



40.1795, 32.1422, -26.4753



40.1786, -15.4224, 23.2126



40.1795, -7.0950, -51.8979

# Square

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



40.1795, -15.4236, 23.2129



40.1795, -31.3768, -13.8632



40.1795, 13.1166, -47.0442



40.1795, 38.9448, 13.5165



# Rectangle

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



40.1786, -15.4224, 23.2126



40.1795, -32.0683, 11.6402



40.1795, 13.1166, -47.0442



40.1795, 40.3347, -10.3263

# Sweetspot

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



40.1795, -15.4236, 23.2129



55.9942, -10.2028, 16.1044



23.4410, 23.9059, 12.6764



27.1834, -5.3296, 8.4615



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.



40.1795, -15.4236, 23.2129



53.3075, -22.5890, 32.2536



37.5389, -25.8709, 21.3131



20.5830, -2.1201, 3.0184



41.0237, -17.5617, 24.9712



90.3826, -39.4539, 55.0026



# Inverse Universe

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



15.6101, 24.5067, -56.2449



16.7850, 40.8859, -99.3373



20.0698, 32.6387, -38.6236



19.0179, 0.0655, -1.0318



12.5315, 32.7524, -79.4348



27.1849, 71.9207, -179.0647



# Previews

## White Background



This preview shows how the HunterLab color 40.1786, -15.4224, 23.2126 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



This preview shows how the HunterLab color 40.1786, -15.4224, 23.2126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

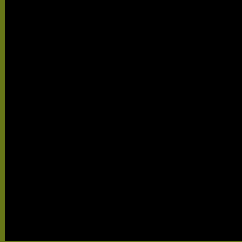
Any Text WCAG AA × Fail

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 40.1786, -15.4224, 23.2126 Background



This preview shows how black text looks on a background with the HunterLab color 40.1786, -15.4224, 23.2126.



This preview shows how white text looks on a background with the HunterLab color 40.1786, -15.4224, 23.2126.

-15.4224, 23.2126.

# 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

40.1786, -15.4224, 23.2126

### Protanopia

40.1022, -5.4454, 23.4932

### Deuteranopia

39.9781, 2.4446, 22.7546



## Tritanopia

40.2116, -0.4259, -1.4293

# Trichromacy



## Original Color

40.1786, -15.4224, 23.2126

## Protanomaly

40.2180, -9.3254, 23.4239

## Deuteranomaly

39.9559, -4.4910, 22.9118

## Tritanomaly

39.9271, -7.4456, 11.7103

# Monochromacy



## Original Color

40.1786, -15.4224, 23.2126

## Achromatopsia

36.8284, -1.9651, 2.0010

## Achromatomaly

37.8355, -8.1919, 13.0184

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 40.1786, -15.4224, 23.2126 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(103, 119, 24)` looks like.

```
.text, #text, p{  
    color:rgb(103, 119, 24)  
}
```

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(103, 119, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 119, 24) }
```

## Border

The CSS property to change the border of an element to HunterLab 40.1786, -15.4224, 23.2126 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(103, 119, 24) }
```



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

```
.border{ border-color:rgb(103, 119, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 119, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 119, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 119, 24);  
box-shadow:4px 4px 4px 4px rgb(103, 119,  
24) }
```

# Background

The CSS property to change the background color of an element to HunterLab 40.1786, -15.4224, 23.2126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 119, 24) }
```

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

```
.background{ background-color: rgb(103,  
119, 24) }
```

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