

# Converting Colors

HunterLab(36.0301, -20.6689,  
19.8989)

Have a look what the booklet for  
HunterLab(36.0301, -20.6689,  
19.8989) contains.

<b>HunterLab(36.0266, -20.7250, 19.9236)</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(36.0266,  
-20.7250, 19.9236)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46701D
RGB	70, 112, 29
RGB Percent	27%, 44%, 11%
CMY	0.7255, 0.5608, 0.8863
CMYK	0.38, 0.00, 0.74, 0.56
HSL	90°, 59%, 28%
HSV	90°, 74%, 44%
XYZ	8.5417, 12.9792, 3.2174
YIQ	89.9800, 1.6110, -34.7170

# Conversions

## Conversions Part 2

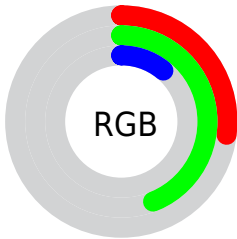
Format	Color
<a href="#">RYB</a>	<a href="#">29, 112, 71</a>
Decimal	<a href="#">4616221</a>
CIELab	<a href="#">42.73, -29.19, 39.43</a>
CIElCh	<a href="#">43, 49.061, 126.517</a>
Yxy	<a href="#">12.9797, 0.3453, 0.5247</a>
Android (android.graphics.Color)	<a href="#">4282806301</a> ( <a href="#">0xFF46701D</a> )
YUV	<a href="#">89.9800, -30.0631, -17.5225</a>
Hunter-Lab	<a href="#">36.0266, -20.7250, 19.9236</a>

# Details

The HunterLab color  $36.0266, -20.7250, 19.9236$  is a dark color, and the websafe version is hex  $336600$ . A complement of this color would be  $18.4081, 25.6093, -37.5844$ , and the grayscale version is  $32.0756, -1.7115, 1.7427$ .

A 20% lighter version of the original color is  $55.9044, -25.3119, 26.1598$ , and  $19.5333, -14.7931, 11.7774$  is the 20% darker color. If you saturate the color by 10%, you get  $35.6835, -22.2372, 20.6618$ , and if you desaturate by 10%, it is  $36.4231, -18.9717, 18.8142$ .

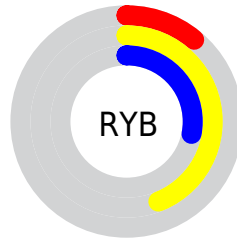
# Distribution



Red (27%)

Green (44%)

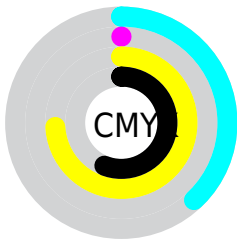
Blue (11%)



Red (11%)

Yellow (44%)

Blue (28%)

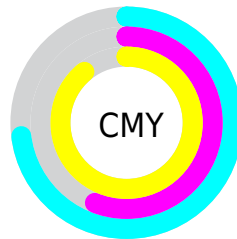


Cyan (38%)

Magenta (0%)

Yellow (74%)

Black (56%)



Cyan (73%)

Magenta (56%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 36.0266, -20.7250, 19.9236 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 36.0266, -20.7250, 19.9236 by changing the saturation by 10% instead.



■ 36.0266, -20.7250,  
19.9236

■ 36.0266, -20.7250,  
19.9236

145.1853,  
-39.8965, 44.8301

■ 27.2297, -18.1635,  
16.4330

■ 55.9172, -25.4243,  
26.2474

■ 19.2943, -15.3752,  
13.5060

■ 66.9019, -27.6317,  
29.1683

■ 12.3276, -12.4932,  
8.6293

■ 78.5244, -29.7737,  
31.9705

■ 5.5002, -9.6254,  
3.8502

■ 90.7514, -31.8645,  
34.6762

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 103.5544,  
-33.9148, 37.3028

0.0000, NaN, NaN

■ 116.9085,

0.0000, NaN, NaN

-35.9329, 39.8638

0.0000, NaN, NaN

130.7920,  
-37.9250, 42.3700

36.0266, -20.7250,  
19.9236

36.0266, -20.7250,  
19.9236

35.6835, -22.2372,  
20.6618

36.4231, -18.9717,  
18.8142

35.3878, -23.5207,  
21.0764

36.8724, -16.9726,  
17.3120

35.2282, -24.2160,  
21.2835

37.3762, -14.7305,  
15.4051

37.9351, -12.2511,  
13.0895

38.5493, -9.5434,  
10.3671

■ 39.2183, -6.6183,  
7.2455

■ 39.9415, -3.4886,  
3.7364

■ 40.7180, -0.1682,  
-0.1452

■ 41.5466, 3.3285,  
-4.3817

# Harmonies

## Analogous

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



36.0274, -5.8695, 21.9745



36.0266, -20.7250, 19.9236



36.0274, -29.0675, 12.9984

# Triad

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



36.0274, -20.7258, 19.9238



36.0274, -15.0194, -44.8624



36.0274, 40.6172, 5.5907

# Complementary

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



36.0266, -20.7250, 19.9236



18.4081, 25.6093, -37.5844

# 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.



36.0274, 36.8057, -14.2775



36.0266, -20.7250, 19.9236



36.0274, 2.1984, -50.3868

# Square

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



36.0274, -20.7258, 19.9238



36.0274, -26.2670, -24.5117



36.0274, 21.7545, -37.1591



36.0274, 31.3150, 16.8349



# Rectangle

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



36.0266, -20.7250, 19.9236



36.0274, -30.9762, 3.9550



36.0274, 21.7545, -37.1591



36.0274, 40.8505, -0.1538

# Sweetspot

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



36.0274, -20.7258, 19.9238



51.2239, -12.0744, 13.1420



28.2438, 8.2492, 15.1076



25.0229, -6.2887, 6.8270



76.6170, -4.0881, 4.1627



26.1505, -1.3953, 1.4208



# Same Dimension

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



36.0274, -20.7258, 19.9238



47.0062, -30.7266, 27.8093



34.5527, -26.7690, 18.8276



19.5872, -2.4970, 2.7229



37.8587, -26.1105, 22.8712



84.1940, -59.5270, 50.8378



# Inverse Universe

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



18.4081, 25.6093, -37.5844



20.4812, 40.4628, -64.6289



23.4386, 35.4938, -23.7143



18.3730, 0.5246, -0.7844



15.2758, 35.0133, -58.7573



33.3318, 77.2931, -135.1375



# Previews

## White Background



This preview shows how the HunterLab color 36.0266, -20.7250, 19.9236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

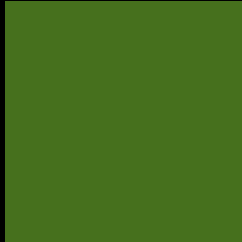
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 36.0266, -20.7250, 19.9236 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 36.0266, -20.7250, 19.9236 Background



This preview shows how black text looks on a background with the HunterLab color 36.0266, -20.7250, 19.9236.



This preview shows how white text looks on a background with the HunterLab color 36.0266, -20.7250, 19.9236.

-20.7250, 19.9236.

# 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

36.0266, -20.7250, 19.9236

### Protanopia

35.9063, -4.9199, 20.4255

### Deuteranopia

35.9566, 2.1360, 19.4415



## Tritanopia

35.8981, -6.0833, -3.7892

# Trichromacy



## Original Color

36.0266, -20.7250, 19.9236

## Protanomaly

35.6703, -11.4846, 20.0553

## Deuteranomaly

35.6044, -7.3116, 19.4152

## Tritanomaly

35.6991, -12.8595, 8.5148

# Monochromacy



## Original Color

36.0266, -20.7250, 19.9236

## Achromatopsia

31.9753, -1.7061, 1.7373

## Achromatomaly

33.1538, -9.6796, 10.4796

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 36.0266, -20.7250, 19.9236 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(70, 112, 29)` looks like.

```
.text, #text, p{  
    color:rgb(70, 112, 29)  
}
```

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(70, 112, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 112, 29) }
```

## Border

The CSS property to change the border of an element to HunterLab 36.0266, -20.7250, 19.9236 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(70, 112, 29) }
```



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

```
.border{ border-color:rgb(70, 112, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 112, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 112, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 112, 29);  
box-shadow:4px 4px 4px 4px rgb(70, 112,  
29) }
```

# Background

The CSS property to change the background color of an element to HunterLab 36.0266, -20.7250, 19.9236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 112, 29) }
```

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

```
.background{ background-color: rgb(70, 112,  
29) }
```

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