

# Converting Colors

HunterLab(56.0541, -43.0865,  
-45.1527)

Have a look what the booklet for  
HunterLab(56.0541, -43.0865,  
-45.1527) contains.

<b>HunterLab(61.9320, -20.1737, -33.8603)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(61.9320,  
-20.1737, -33.8603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B4E6
RGB	0, 180, 230
RGB Percent	0%, 71%, 90%
CMY	0.9998, 0.2941, 0.0980
CMYK	1.00, 0.22, 0.00, 0.10
HSL	193°, 100%, 45%
HSV	193°, 100%, 90%
XYZ	30.6042, 38.3557, 80.6533
YIQ	131.8800, -123.3300, -22.6100

# Conversions

## Conversions Part 2

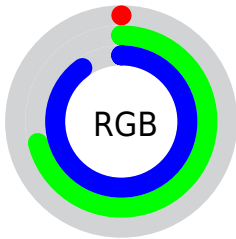
Format	Color
<b>RYB</b>	0, 101, 230
Decimal	46310
CIELab	68.28, -20.58, -35.65
CIElCh	68, 41.161, 239.999
Yxy	38.3570, 0.2046, 0.2564
Android (android.graphics.Color)	4278236390 (0xFF00B4E6)
YUV	131.8800, 48.3732, -115.6588
Hunter-Lab	61.9320, -20.1737, -33.8603

# Details

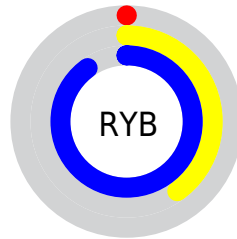
The HunterLab color **61.9320, -20.1737, -33.8603** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **43.7147, 61.4210, 28.0096**, and the grayscale version is **47.8460, -2.5529, 2.5996**.

A 20% lighter version of the original color is **83.9041, -31.4623, -15.7031**, and **42.7022, -11.0683, -29.4807** is the 20% darker color. If you saturate the color by 10%, you get **61.9284, -20.1683, -33.8674**, and if you desaturate by 10%, it is **63.7146, -21.8856, -30.7874**.

# Distribution



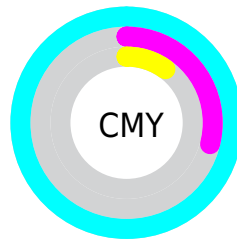
- Red (0%)
- Green (71%)
- Blue (90%)



- Red (0%)
- Yellow (40%)
- Blue (90%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (29%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 61.9320, -20.1737, -33.8603 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 61.9320, -20.1737, -33.8603 by changing the saturation by 10% instead.



61.9320, -20.1737,  
-33.8603

61.9320, -20.1737,  
-33.8603

184.1600,  
-34.8186, -37.5030

51.2444, -18.4475,  
-33.2340

85.2379, -23.5210,  
-35.0056

41.2531, -16.6694,  
-32.6005

97.7879, -25.1609,  
-35.5104

32.0117, -14.8176,  
-32.0053

110.8997,  
-26.7861, -35.9654

23.5867, -12.8585,  
-31.5499

124.5502,  
-28.4012, -36.3703

16.0668, -10.7349,  
-31.4820

138.7189,  
-30.0095, -36.7254

9.5778, -9.8814,  
-32.5340

153.3875,

0.0000, NaN, -NF

-31.6138, -37.0317

0.0000, NaN, -NF

168.5395,  
-33.2162, -37.2905

0.0000, NaN, NaN

■ 61.9320, -20.1737,  
-33.8603

■ 61.9320, -20.1737,  
-33.8603

■ 61.9284, -20.1683,  
-33.8674

■ 63.7146, -21.8856,  
-30.7874

■ 65.6692, -22.9735,  
-27.5285

■ 67.8333, -23.2967,  
-24.0443

■ 70.2165, -22.8233,  
-20.3465

■ 72.8210, -21.5568,  
-16.4586

■ 75.6438, -19.5250,  
-12.4091

■ 78.6786, -16.7717,  
-8.2275

■ 81.9171, -13.3502,  
-3.9417

■ 85.3495, -9.3180,  
0.4230

# Harmonies

## Analogous

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



61.9331, -31.3026, -16.1351



61.9320, -20.1737, -33.8603



61.9331, -3.3083, -41.1355

# Triad

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



61.9331, -20.1732, -33.8592



61.9331, 36.6065, 3.3708



61.9331, -20.1726, 26.1669

# Complementary

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



61.9320, -20.1737, -33.8603



43.7147, 61.4210, 28.0096

# 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.



61.9331, -3.3075, 28.6312



61.9320, -20.1737, -33.8603



61.9331, 30.7566, 18.0660

# Square

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



61.9331, -20.1732, -33.8592



61.9331, 30.7561, -16.1360



61.9331, 15.5807, 26.1667



61.9331, -31.3022, 18.0665



# Rectangle

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



61.9320, -20.1737, -33.8603



61.9331, 9.3864, -37.8064



61.9331, 15.5807, 26.1667



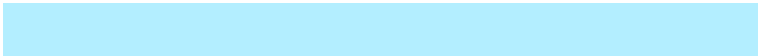
61.9331, -15.0556, 27.5533

# Sweetspot

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



61.9331, -20.1732, -33.8592



88.3778, -18.9224, -9.3427



75.3816, -63.5526, 42.9743



40.2061, -9.4027, -5.2515

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



61.9331, -20.1732, -33.8592



69.5135, -22.5281, -38.2541



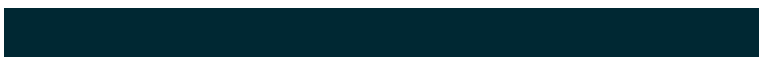
30.8521, 39.6573, -124.1641



39.7197, -4.2227, 0.3024



46.7965, -15.4528, -25.1333



13.2309, -4.8963, -5.9678



# Inverse Universe

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



44.8552, 84.1547, -27.9644



50.4075, 94.5555, -31.2337



66.0909, 8.7469, 40.8765



38.1559, 2.7162, -0.3766



33.7764, 63.4214, -21.4166



9.2542, 17.4969, -6.8017



# Previews

## White Background



This preview shows how the HunterLab color 61.9320, -20.1737, -33.8603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

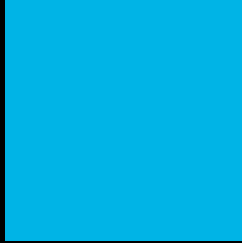
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 61.9320, -20.1737, -33.8603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

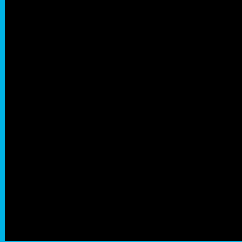
Any Text WCAG AA ✓ Pass

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 61.9320, -20.1737, -33.8603 Background



This preview shows how black text looks on a background with the HunterLab color 61.9320, -20.1737, -33.8603.



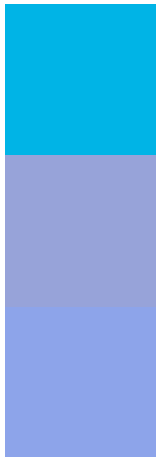
This preview shows how white text looks on a background with the HunterLab color 61.9320,

-20.1737, -33.8603.

# 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

61.9320, -20.1737, -33.8603

### Protanopia

61.4682, 3.8956, -25.3747

### Deuteranopia

61.7690, 4.9277, -36.5697



## Tritanopia

61.9340, -29.6065, -13.5002

# Trichromacy



## Original Color

61.9320, -20.1737, -33.8603

## Protanomaly

60.1138, -9.5953, -31.2864

## Deuteranomaly

60.6682, -8.1955, -38.0995

## Tritanomaly

62.0646, -26.4552, -20.4662

# Monochromacy



## Original Color

61.9320, -20.1737, -33.8603

## Achromatopsia

48.0354, -2.5630, 2.6099

## Achromatomaly

51.1926, -14.7197, -11.6185

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 61.9320, -20.1737, -33.8603 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(0, 180, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 230)  
}
```

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(0, 180, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 230) }
```

## Border

The CSS property to change the border of an element to HunterLab 61.9320, -20.1737, -33.8603 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(0, 180, 230) }
```



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

```
.border{ border-color:rgb(0, 180, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
230) }
```

# Background

The CSS property to change the background color of an element to HunterLab 61.9320, -20.1737, -33.8603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 230) }
```

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

```
.background{ background-color: rgb(0, 180,  
230) }
```

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