

# Converting Colors

HunterLab(70.1874, -33.5518,  
7.2267)

Have a look what the booklet for  
HunterLab(70.1874, -33.5518,  
7.2267) contains.

<b>HunterLab(70.1604, -33.4595, 7.0531)</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(70.1604,  
-33.4595, 7.0531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66CCB2
RGB	102, 204, 178
RGB Percent	40%, 80%, 70%
CMY	0.6000, 0.2000, 0.3020
CMYK	0.50, 0.00, 0.13, 0.20
HSL	165°, 50%, 60%
HSV	165°, 50%, 80%
XYZ	35.1082, 49.2248, 49.7704
YIQ	170.5380, -52.4460, -29.7100

# Conversions

## Conversions Part 2

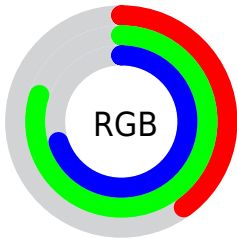
Format	Color
<b>RYB</b>	102, 160, 204
Decimal	6737074
CIELab	75.59, -36.04, 3.85
CIELCh	76, 36.243, 173.898
Yxy	49.2268, 0.2618, 0.3671
Android (android.graphics.Color)	4284927154 (0xFF66CCB2)
YUV	170.5380, 3.6788, -60.1078
Hunter-Lab	70.1604, -33.4595, 7.0531

# Details

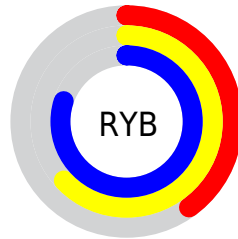
The HunterLab color **70.1604, -33.4595, 7.0531** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **48.8875, 36.9501, 6.0014**, and the grayscale version is **63.6263, -3.3949, 3.4569**.

A 20% lighter version of the original color is **92.1040, -35.3859, 6.0255**, and **48.4011, -28.1874, 5.5641** is the 20% darker color. If you saturate the color by 10%, you get **69.2625, -37.2908, 8.2698**, and if you desaturate by 10%, it is **71.2613, -28.9081, 6.0393**.

# Distribution



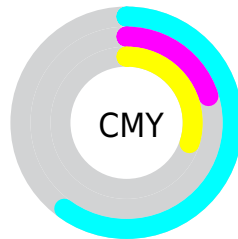
- Red (40%)
- Green (80%)
- Blue (70%)



- Red (40%)
- Yellow (63%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 70.1604, -33.4595, 7.0531 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 70.1604, -33.4595, 7.0531 by changing the saturation by 10% instead.



■ 70.1604, -33.4595,  
7.0531

■ 70.1604, -33.4595,  
7.0531

195.8659,  
-54.2801, 15.2721

■ 58.9910, -30.8727,  
6.2550

■ 94.3547, -38.3924,  
8.7224

■ 48.4855, -28.1749,  
5.4795

■ 107.3177,  
-40.7674, 9.5914

■ 38.6902, -25.3335,  
4.7271

■ 120.8254,  
-43.0963, 10.4833

■ 29.6612, -22.2990,  
3.9964

■ 134.8565,  
-45.3870, 11.3977

■ 21.4699, -18.9936,  
3.2847

149.3923,  
-47.6458, 12.3341

■ 14.2129, -15.3163,  
2.5861

164.4158,

■ 7.8682, -13.7694,

-49.8782, 13.2922

2.4580

179.9117,  
-52.0884, 14.2717

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 70.1604, -33.4595,  
7.0531

■ 70.1604, -33.4595,  
7.0531

■ 69.2625, -37.2908,  
8.2698

■ 71.2613, -28.9081,  
6.0393

■ 68.5552, -40.3978,  
9.6656

■ 72.5657, -23.6569,  
5.2414

■ 68.0277, -42.8035,  
11.2142

■ 74.0761, -17.7448,  
4.6704

■ 67.6620, -44.5591,  
12.8831


■ 75.7914, -11.2218,  
4.3307


■ 67.4199, -45.8085,


■ 77.7080, -4.1458,


14.6184


4.2220

 67.4199, -45.8085,  
14.6185

 79.8205, 3.4215,  
4.3399

 82.1223, 11.4181,  
4.6767

 83.4229, 15.9846,  
3.7566

 83.5901, 16.8588,  
1.3755

# Harmonies

## Analogous

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



70.1618, -28.3194, 19.8218



70.1604, -33.4595, 7.0531



70.1618, -31.2751, -10.0257

# Triad

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



70.1618, -33.4602, 7.0539



70.1618, 10.0336, -31.0947



70.1618, 16.6333, 24.6328

# Complementary

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



70.1604, -33.4595, 7.0531



48.8875, 36.9501, 6.0014

# 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.



70.1618, 28.8117, 15.3147



70.1604, -33.4595, 7.0531



70.1618, 24.7540, -17.1536

# Square

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



70.1618, -33.4602, 7.0539



70.1618, -7.1984, -34.8053



70.1618, 31.9166, 0.4225



70.1618, -0.2284, 28.2903



# Rectangle

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



70.1604, -33.4595, 7.0531



70.1618, -25.8423, -21.4283



70.1618, 31.9166, 0.4225



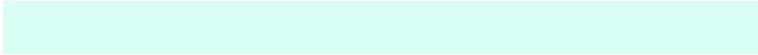
70.1618, 21.4728, 22.1843

# Sweetspot

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



70.1618, -33.4602, 7.0539



96.3542, -18.8964, 5.7629



69.8783, -37.7957, 31.7307



44.3630, -9.5626, 2.7131

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



70.1618, -33.4602, 7.0539



89.0520, -48.3347, 10.7748



63.1739, -18.0417, -15.0050



35.6038, -5.0706, 2.0253



53.5016, -36.2519, 11.3852



12.2005, -7.9381, 1.8866



# Inverse Universe

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



48.8875, 36.9501, 6.0014



57.1716, 58.5542, 10.1199



53.5431, 22.1042, 19.4595



33.5557, 1.5356, 1.8259



28.7210, 49.7740, 13.9981

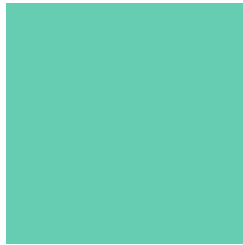


6.6197, 11.6592, 1.7753



# Previews

## White Background



This preview shows how the HunterLab color 70.1604, -33.4595, 7.0531 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

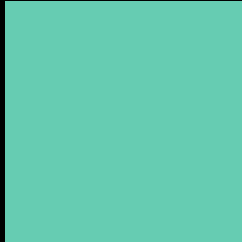
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 70.1604, -33.4595, 7.0531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

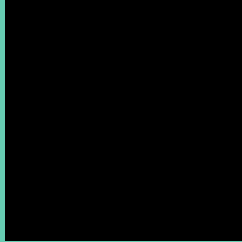
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

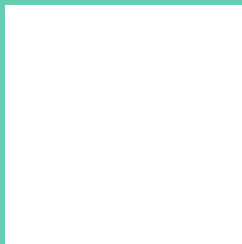
Any Text WCAG AAA ✓ Pass

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

## HunterLab 70.1604, -33.4595, 7.0531 Background



This preview shows how black text looks on a background with the HunterLab color 70.1604, -33.4595, 7.0531.



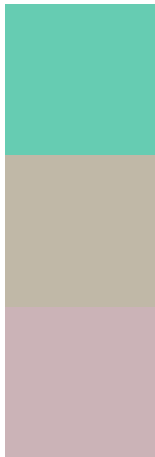
This preview shows how white text looks on a background with the HunterLab color 70.1604, -33.4595, 7.0531.

-33.4595, 7.0531.

# 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

70.1604, -33.4595, 7.0531

### Protanopia

69.4820, -3.7946, 11.5515

### Deuteranopia

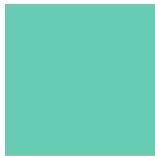
69.5382, 4.8476, 4.7366



## Tritanopia

70.1882, -22.3765, -11.4497

# Trichromacy



## Original Color

70.1604, -33.4595, 7.0531



## Protanomaly

68.9730, -16.4606, 9.0935



## Deuteranomaly

68.8546, -11.4855, 4.5834



## Tritanomaly

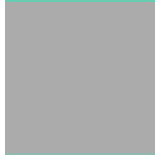
70.2060, -26.6159, -4.3944

# Monochromacy



## Original Color

70.1604, -33.4595, 7.0531



## Achromatopsia

63.8154, -3.4050, 3.4672



## Achromatomaly

65.6003, -15.6803, 3.9557

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 70.1604, -33.4595, 7.0531 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(102, 204, 178)` looks like.

```
.text, #text, p{  
    color:rgb(102, 204, 178)  
}
```

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(102, 204, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 178) }
```

## Border

The CSS property to change the border of an element to HunterLab 70.1604, -33.4595, 7.0531 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(102, 204, 178) }
```



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

```
.border{ border-color:rgb(102, 204, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 204, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 204, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 204, 178); box-shadow:4px 4px 4px 4px rgb(102, 204, 178) }
```

# Background

The CSS property to change the background color of an element to HunterLab 70.1604, -33.4595, 7.0531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 178) }
```

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

```
.background{ background-color: rgb(102,  
204, 178) }
```

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