

# Converting Colors

HunterLab(40.0243, -21.6916,  
-3.2539)

Have a look what the booklet for  
HunterLab(40.0243, -21.6916,  
-3.2539) contains.

<b>HunterLab(40.1214, -21.6795, -3.3486)</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(40.1214,  
-21.6795, -3.3486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007D7B
RGB	0, 125, 123
RGB Percent	0%, 49%, 48%
CMY	0.9999, 0.5098, 0.5176
CMYK	1.00, 0.00, 0.02, 0.51
HSL	179°, 100%, 25%
HSV	179°, 100%, 49%
XYZ	10.9087, 16.0973, 21.2710
YIQ	87.3970, -73.8580, -27.1220

# Conversions

## Conversions Part 2

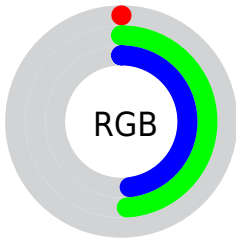
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 63, 125
Decimal	32123
CIELab	47.10, -29.00, -7.25
CIELCh	47, 29.897, 194.037
Yxy	16.0979, 0.2260, 0.3334
Android (android.graphics.Color)	4278222203 (0xFF007D7B)
YUV	87.3970, 17.5523, -76.6472
Hunter-Lab	40.1214, -21.6795, -3.3486

# Details

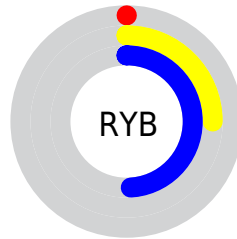
The HunterLab color **40.1214, -21.6795, -3.3486** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20.8921, 35.7960, 13.3362**, and the grayscale version is **30.9765, -1.6528, 1.6830**.

A 20% lighter version of the original color is **60.5684, -26.2713, -2.8394**, and **23.5087, -12.6506, -2.0748** is the 20% darker color. If you saturate the color by 10%, you get **40.1220, -21.6800, -3.3481**, and if you desaturate by 10%, it is **40.2302, -21.2391, -3.2963**.

# Distribution



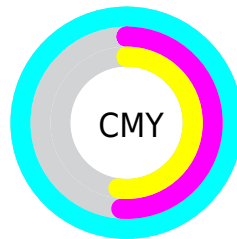
- Red (0%)
- Green (49%)
- Blue (48%)



- Red (0%)
- Yellow (25%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 40.1214, -21.6795, -3.3486 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 40.1214, -21.6795, -3.3486 by changing the saturation by 10% instead.



40.1214, -21.6795,  
-3.3486

40.1214, -21.6795,  
-3.3486

151.6306,  
-40.5492, -0.0372

30.9733, -19.2062,  
-3.4514

60.6366, -26.2597,  
-2.9488

22.6500, -16.5437,  
-3.4788

71.9045, -28.4256,  
-2.6655

15.2443, -13.5974,  
-3.4182

83.7949, -30.5335,  
-2.3327

8.8674, -14.7264,  
-3.2916

96.2769, -32.5959,  
-1.9542

0.0000, NaN, -NF

0.0000, NaN, NaN

109.3236,  
-34.6221, -1.5330

0.0000, NaN, NaN

122.9116,

0.0000, NaN, NaN

-36.6194, -1.0717

0.0000, NaN, NaN

137.0201,  
-38.5936, -0.5725

■ 40.1214, -21.6795,  
-3.3486

■ 40.1214, -21.6795,  
-3.3486

■ 40.1220, -21.6800,  
-3.3481

■ 40.2302, -21.2391,  
-3.2963

■ 40.3914, -20.5909,  
-3.1717

■ 40.6396, -19.6055,  
-2.9287

■ 40.9834, -18.2560,  
-2.5571

■ 41.4292, -16.5286,  
-2.0512

■ 41.9815, -14.4199,  
-1.4087

■ 42.6430, -11.9364,  
-0.6310

■ 43.4147, -9.0926,  
0.2778

■ 44.2967, -5.9095,  
1.3115

# Harmonies

## Analogous

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



40.1221, -21.5236, 7.6236



40.1214, -21.6795, -3.3486



40.1221, -17.0379, -15.6746

# Triad

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



40.1221, -21.6796, -3.3481



40.1221, 14.6827, -16.3982



40.1221, 4.2186, 17.7671

# Complementary

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



40.1214, -21.6795, -3.3486



20.8921, 35.7960, 13.3362

# 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.



40.1221, 15.3022, 14.3721



40.1214, -21.6795, -3.3486



40.1221, 21.7989, -4.1432

# Square

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



40.1221, -21.6796, -3.3481



40.1221, 3.4479, -24.5442



40.1221, 22.0378, 7.0256



40.1221, -7.4436, 17.8674



# Rectangle

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



40.1214, -21.6795, -3.3486



40.1221, -11.5044, -22.1474



40.1221, 22.0378, 7.0256



40.1221, 8.1642, 17.0293

# Sweetspot

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



40.1221, -21.6796, -3.3481



56.9934, -16.2343, -0.9271



38.3161, -32.7651, 23.0360



27.0305, -8.3087, -0.6205



79.8926, -4.2629, 4.3407



28.9024, -1.5422, 1.5703



# Same Dimension

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



40.1221, -21.6796, -3.3481



53.6881, -29.0236, -4.4518



22.8354, 3.5685, -36.2435



22.1037, -2.7973, 0.7010



40.9886, -22.1491, -3.4187

0.0000, NaN, NaN



# Inverse Universe

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



20.8921, 35.7960, 13.3362



27.9524, 47.8899, 17.9034



27.6342, 16.8538, 17.3223



20.8454, 0.6016, 1.6671



21.3424, 36.5705, 13.6285

0.0000, NaN, NaN



# Previews

## White Background



This preview shows how the HunterLab color 40.1214, -21.6795, -3.3486 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 40.1214, -21.6795, -3.3486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

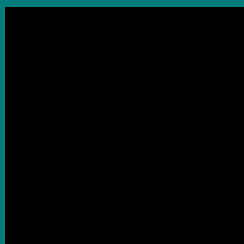
Any Text WCAG AA × Fail

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 40.1214, -21.6795, -3.3486 Background



This preview shows how black text looks on a background with the HunterLab color 40.1214, -21.6795, -3.3486.



This preview shows how white text looks on a background with the HunterLab color 40.1214,

-21.6795, -3.3486.

# 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

40.1214, -21.6795, -3.3486

### Protanopia

40.0356, -1.3841, 1.0697

### Deuteranopia

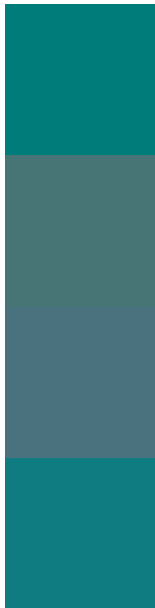
39.8776, 3.0129, -5.2278



## Tritanopia

40.0669, -18.0229, -8.4631

# Trichromacy



## Original Color

40.1214, -21.6795, -3.3486

## Protanomaly

38.8777, -12.6884, -1.9317

## Deuteranomaly

38.6749, -9.8461, -6.6012

## Tritanomaly

40.1271, -19.6574, -6.3052

# Monochromacy



## Original Color

40.1214, -21.6795, -3.3486

## Achromatopsia

30.8719, -1.6472, 1.6773

## Achromatomaly

33.2260, -12.3227, -1.2563

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 40.1214, -21.6795, -3.3486 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, 125, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 123)  
}
```

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, 125, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 123) }
```

## Border

The CSS property to change the border of an element to HunterLab 40.1214, -21.6795, -3.3486 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, 125, 123) }
```



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

```
.border{ border-color:rgb(0, 125, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
123) }
```

# Background

The CSS property to change the background color of an element to HunterLab 40.1214, -21.6795, -3.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 123) }
```

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

```
.background{ background-color: rgb(0, 125,  
123) }
```

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