

# Converting Colors

HunterLab(41.9980, -12.9210,  
-24.6012)

Have a look what the booklet for  
HunterLab(41.9980, -12.9210,  
-24.6012) contains.

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# Color

**HunterLab(41.9980,  
-12.9210, -24.6012)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 007EA5                      |
| RGB         | 0, 126, 165                 |
| RGB Percent | 0%, 49%, 65%                |
| CMY         | 0.9999, 0.5059, 0.3529      |
| CMYK        | 1.00, 0.24, 0.00, 0.35      |
| HSL         | 194°, 100%, 32%             |
| HSV         | 194°, 100%, 65%             |
| XYZ         | 14.2524, 17.6383, 38.2507   |
| YIQ         | 92.7720, -87.6150, -14.5830 |

# Conversions

## Conversions Part 2

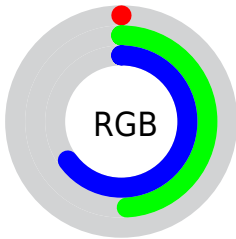
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 0, 71, 165                     |
| Decimal                             | 32421                          |
| CIELab                              | 49.06, -14.77, -28.96          |
| CIELCh                              | 49, 32.507, 242.974            |
| Yxy                                 | 17.6389, 0.2032,<br>0.2515     |
| Android<br>(android.graphics.Color) | 4278222501<br>(0xFF007EA5)     |
| YUV                                 | 92.7720, 35.6084,<br>-81.3610  |
| Hunter-Lab                          | 41.9980, -12.9210,<br>-24.6012 |

# Details

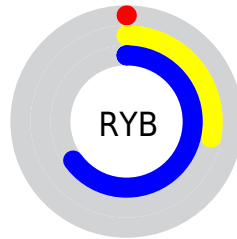
The HunterLab color **41.9980, -12.9210, -24.6012** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **30.7446, 40.5067, 19.6523**, and the grayscale version is **32.8993, -1.7554, 1.7875**.

A 20% lighter version of the original color is **62.8740, -15.8929, -25.3861**, and **25.4951, -5.1673, -20.7120** is the 20% darker color. If you saturate the color by 10%, you get **41.9965, -12.9186, -24.6044**, and if you desaturate by 10%, it is **43.3252, -14.0849, -22.2648**.

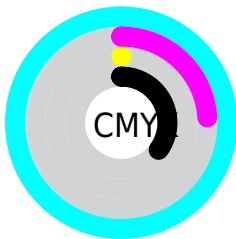
# Distribution



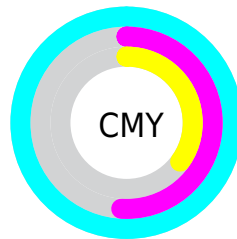
- Red (0%)
- Green (49%)
- Blue (65%)



- Red (0%)
- Yellow (28%)
- Blue (65%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (51%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 41.9980, -12.9210, -24.6012 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 41.9980, -12.9210, -24.6012 by changing the saturation by 10% instead.



41.9980, -12.9210,  
-24.6012

41.9980, -12.9210,  
-24.6012

154.5406,  
-25.2567, -27.6450

32.6972, -11.4737,  
-24.0300

62.7862, -15.7169,  
-25.6463

24.2064, -9.9690,  
-23.4814

74.1783, -17.0882,  
-26.0942

16.6128, -8.3713,  
-23.0748

86.1865, -18.4507,  
-26.4867

10.0383, -7.0360,  
-23.1726

98.7808, -19.8091,  
-26.8238

0.0000, NaN, -NF

0.0000, NaN, -NF

111.9349,  
-21.1665, -27.1064

0.0000, NaN, NaN

125.6261,

0.0000, NaN, NaN

-22.5257, -27.3362

0.0000, NaN, NaN

139.8341,  
-23.8886, -27.5151

■ 41.9980, -12.9210,  
-24.6012

■ 41.9980, -12.9210,  
-24.6012

■ 41.9965, -12.9186,  
-24.6044

■ 43.3252, -14.0849,  
-22.2648

■ 44.7617, -14.8574,  
-19.8297

■ 46.3408, -15.1143,  
-17.2544

■ 48.0668, -14.8422,  
-14.5507

■ 49.9395, -14.0489,  
-11.7363

■ 51.9559, -12.7562,  
-8.8310

■ 54.1110, -10.9951,  
-5.8543

■ 56.3988, -8.8014,  
-2.8240

■ 58.8124, -6.2131,  
0.2444

# Harmonies

## Analogous

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



41.9987, -21.0758, -12.6738



41.9980, -12.9210, -24.6012



41.9987, -0.9498, -28.7258

# Triad

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



41.9987, -12.9206, -24.6004



41.9987, 25.4794, 3.4908



41.9987, -14.8971, 17.6435

# Complementary

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



41.9980, -12.9210, -24.6012



30.7446, 40.5067, 19.6523

# 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.



41.9987, -3.5211, 19.6713



41.9980, -12.9210, -24.6012



41.9987, 20.6329, 13.1986

# Square

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



41.9987, -12.9206, -24.6004



41.9987, 22.1893, -9.8979



41.9987, 9.6205, 18.3303



41.9987, -22.1166, 11.6489



# Rectangle

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



41.9980, -12.9210, -24.6012



41.9987, 7.8732, -25.7232



41.9987, 9.6205, 18.3303



41.9987, -11.4843, 18.7135

# Sweetspot

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



41.9987, -12.9206, -24.6004



72.2458, -14.8636, -8.0623



52.0135, -43.6170, 29.1460



33.2338, -7.4167, -4.5162



90.9709, -4.8540, 4.9426



38.3822, -2.0480, 2.0854



# Same Dimension

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



41.9987, -12.9206, -24.6004



55.9109, -16.8780, -33.4489



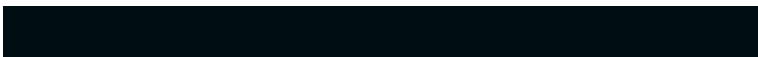
21.2596, 27.3910, -85.6972



27.7959, -2.8324, 0.2204



36.6357, -11.3885, -21.2069



5.8941, -2.4387, -2.1028



# Inverse Universe

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



30.8325, 57.6822, -17.9492



41.2200, 77.0546, -23.4735



46.5577, 4.2349, 28.7617



26.7832, 1.7304, -0.1260



26.8311, 50.2255, -15.8132



3.9733, 7.5773, -3.4242



# Previews

## White Background



This preview shows how the HunterLab color 41.9980, -12.9210, -24.6012 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 41.9980, -12.9210, -24.6012 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 × Fail

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

## HunterLab 41.9980, -12.9210, -24.6012 Background



This preview shows how black text looks on a background with the HunterLab color 41.9980, -12.9210, -24.6012.



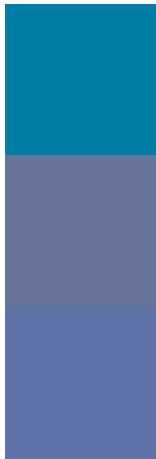
This preview shows how white text looks on a background with the HunterLab color 41.9980,

-12.9210, -24.6012.

# 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

41.9980, -12.9210, -24.6012

### Protanopia

41.9581, 2.4707, -18.5471

### Deuteranopia

41.9230, 3.3708, -26.5005



## Tritanopia

41.9101, -20.0593, -9.0818

# Trichromacy



## Original Color

41.9980, -12.9210, -24.6012

## Protanomaly

41.0550, -6.1870, -22.1802

## Deuteranomaly

41.2017, -4.9673, -27.3081

## Tritanomaly

41.9243, -17.7433, -14.0991

# Monochromacy



## Original Color

41.9980, -12.9210, -24.6012

## Achromatopsia

33.0850, -1.7653, 1.7976

## Achromatomaly

35.1637, -9.8349, -7.9318

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 41.9980, -12.9210, -24.6012 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, 126, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 165)  
}
```

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, 126, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 165) }
```

## Border

The CSS property to change the border of an element to HunterLab 41.9980, -12.9210, -24.6012 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, 126, 165) }
```



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

```
.border{ border-color:rgb(0, 126, 165) }
```

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

Here you see how a box with a 4 pixel rgb(0, 126, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
165) }
```

# Background

The CSS property to change the background color of an element to HunterLab 41.9980, -12.9210, -24.6012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 165) }
```

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

```
.background{ background-color: rgb(0, 126,  
165) }
```

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](#).

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