

# Converting Colors

HunterLab(31.3499, 24.3566,  
-80.5381)

Have a look what the booklet for  
HunterLab(31.3499, 24.3566,  
-80.5381) contains.

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# Color

**HunterLab(31.3504, 24.1735,  
-80.1585)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	304CC5
RGB	48, 76, 197
RGB Percent	19%, 30%, 77%
CMY	0.8117, 0.7020, 0.2274
CMYK	0.76, 0.61, 0.00, 0.23
HSL	229°, 61%, 48%
HSV	229°, 76%, 77%
XYZ	13.8814, 9.8285, 53.9888
YIQ	81.4220, -55.5290, 31.6950

# Conversions

## Conversions Part 2

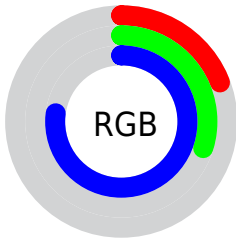
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	48, 72, 197
Decimal	3165381
CIE Lab	37.53, 32.57, -66.00
CIE LCh	38, 73.598, 296.264
Yxy	9.8287, 0.1787, 0.1265
Android (android.graphics.Color)	4281355461 (0xFF304CC5)
YUV	81.4220, 56.9800, -29.3111
Hunter-Lab	31.3504, 24.1735, -80.1585

# Details

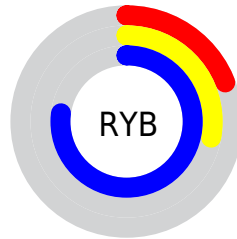
The HunterLab color **31.3504, 24.1735, -80.1585** is a dark color, and the websafe version is hex **003399**. The color can be described as dark muted blue. A complement of this color would be **63.6116, -5.3902, 36.4953**, and the grayscale version is **28.6535, -1.5289, 1.5568**.

A 20% lighter version of the original color is **50.5967, 26.4162, -79.2230**, and **17.4376, 25.0308, -75.8299** is the 20% darker color. If you saturate the color by 10%, you get **27.4122, 31.3505, -96.8125**, and if you desaturate by 10%, it is **35.9220, 17.9785, -64.7367**.

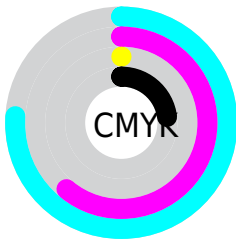
# Distribution



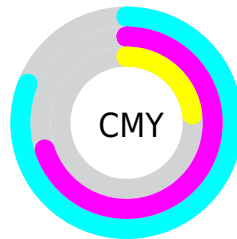
- Red (19%)
- Green (30%)
- Blue (77%)



- Red (19%)
- Yellow (28%)
- Blue (77%)



- Cyan (76%)
- Magenta (61%)
- Yellow (0%)
- Black (23%)













- Cyan (81%)
- Magenta (70%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 31.3504, 24.1735, -80.1585 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 31.3504, 24.1735, -80.1585 by changing the saturation by 10% instead.



 31.3504, 24.1735, -80.1585	 31.3504, 24.1735, -80.1585
137.6391, 31.5011, -84.2471	 22.9903, 22.8101, -82.4209
 50.4706, 26.5045, -79.2250	 15.5427, 21.3123, -87.6709
 61.1085, 27.4902, -79.5594	 9.1322, 19.7822, -100.5723
 72.4039, 28.3714, -80.1407	0.0000, INF, -NF
 84.3204, 29.1577, -80.8660	0.0000, NaN, -NF
 96.8272, 29.8572, -81.6728	0.0000, NaN, -NF
109.8977, 30.4771,	0.0000, NaN, NaN

-82.5211

0.0000, NaN, NaN

123.5085, 31.0233,  
-83.3850

■ 31.3504, 24.1735,  
-80.1585

■ 31.3504, 24.1735,  
-80.1585

■ 27.4122, 31.3505,  
-96.8125

■ 35.9220, 17.9785,  
-64.7367

■ 24.2657, 39.0888,  
-113.4307

■ 40.9903, 12.7891,  
-50.9242

■ 23.1405, 42.3489,  
-120.3427

■ 46.4528, 8.4796,  
-38.6490

■ 52.2341, 4.8902,  
-27.6871

■ 58.2793, 1.8752,  
-17.7953

■ 64.5480, -0.6843,  
-8.7585

■ 71.0095, -2.8816,  
-0.4003

■ 77.6404, -4.7889,  
7.4192

■ 84.4226, -6.4619,  
14.8097

# Harmonies

## Analogous

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



31.3508, -4.9226, -95.2441



31.3504, 24.1735, -80.1585



31.3508, 52.8692, -38.8473

# Triad

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



31.3508, 24.1750, -80.1576



31.3508, 31.8940, 21.4817



31.3508, -38.0121, 4.7004

# Complementary

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



31.3504, 24.1735, -80.1585



63.6116, -5.3902, 36.4953

# 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.



31.3508, -33.7653, 18.4452



31.3504, 24.1735, -80.1585



31.3508, 1.7115, 21.9455

# Square

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



31.3508, 24.1750, -80.1576



31.3508, 58.2662, 16.4601



31.3508, -21.1667, 21.9455



31.3508, -35.5057, -28.1659



# Rectangle

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



31.3504, 24.1735, -80.1585



31.3508, 64.6653, -12.1041



31.3508, -21.1667, 21.9455



31.3508, -37.3781, 11.1635

# Sweetspot

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



31.3508, 24.1750, -80.1576



79.8791, 1.6815, -20.9717



65.8475, -38.8435, 6.8879



35.5540, 1.4025, -11.8362

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



31.3508, 24.1750, -80.1576



33.7069, 48.9498, -144.7865



29.0827, 44.9771, -88.9820



32.5646, -0.9942, -1.6493



19.0098, 33.4942, -96.0649



5.2070, 4.1427, -15.4513



# Inverse Universe

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



38.0881, 52.3269, 13.7423



47.1917, 78.3379, 23.8694



68.4477, -32.4059, 39.1866



32.6634, 1.3889, 2.0319



28.1155, 48.4941, 15.4895

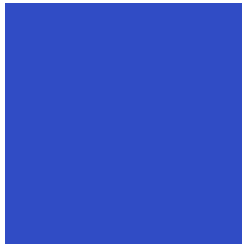


6.1999, 10.8546, 2.1687



# Previews

## White Background



This preview shows how the HunterLab color 31.3504, 24.1735, -80.1585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

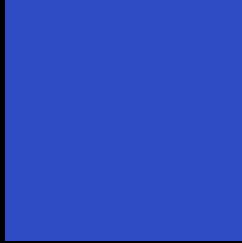
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the HunterLab color 31.3504, 24.1735, -80.1585 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

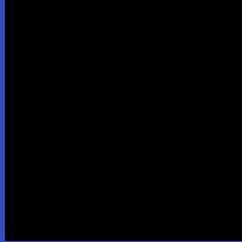
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# HunterLab 31.3504, 24.1735, -80.1585 Background



This preview shows how black text looks on a background with the HunterLab color 31.3504, 24.1735, -80.1585.



This preview shows how white text looks on a background with the HunterLab color 31.3504, 24.1735, -80.1585.



# 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

31.3504, 24.1735, -80.1585

### Deuteranopia

31.0571, 0.1874, -39.2232

### Tritanopia

31.2007, -15.3186, -5.9298

# Trichromacy



## Original Color

31.3504, 24.1735, -80.1585

## Deuteranomaly

30.8520, 8.1205, -53.9318

## Tritanomaly

30.4409, -3.5770, -28.1373

# Monochromacy



## Original Color

31.3504, 24.1735, -80.1585

## Achromatopsia

28.6850, -1.5306, 1.5585

## Achromatomaly

28.7876, 4.3444, -20.7793

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 31.3504, 24.1735, -80.1585 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(48, 76, 197)` looks like.

```
.text, #text, p{  
    color:rgb(48, 76, 197)  
}
```

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(48, 76, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 76, 197) }
```

## Border

The CSS property to change the border of an element to HunterLab 31.3504, 24.1735, -80.1585 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(48, 76, 197) }
```

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

```
.border{ border-color:rgb(48, 76, 197) }
```

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

Here you see how a box with a 4 pixel rgb(48, 76, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 76, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 76, 197);  
box-shadow:4px 4px 4px 4px rgb(48, 76,  
197) }
```



# Background

The CSS property to change the background color of an element to HunterLab 31.3504, 24.1735, -80.1585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 76, 197) }
```

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

```
.background{ background-color: rgb(48, 76,  
197) }
```

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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