

# Converting Colors

HunterLab(31.2101, 24.0896,  
-23.9968)

Have a look what the booklet for  
HunterLab(31.2101, 24.0896,  
-23.9968) contains.

<b>HunterLab(31.1745, 23.9099, -23.9659)</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(31.1745, 23.9099,  
-23.9659)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	744587
RGB	116, 69, 135
RGB Percent	45%, 27%, 53%
CMY	0.5451, 0.7294, 0.4706
CMYK	0.14, 0.49, 0.00, 0.47
HSL	283°, 32%, 40%
HSV	283°, 49%, 53%
XYZ	13.7037, 9.7185, 24.0752
YIQ	90.5770, 6.8260, 30.4900

# Conversions

## Conversions Part 2

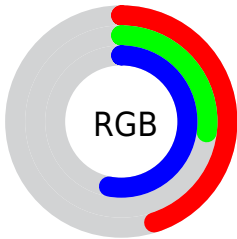
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 69, 135
Decimal	7619975
CIE <sub>Lab</sub>	37.33, 32.30, -28.99
CIE <sub>LCh</sub>	37, 43.399, 318.096
Yxy	9.7189, 0.2885, 0.2046
Android (android.graphics.Color)	4285810055 (0xFF744587)
YUV	90.5770, 21.9005, 22.2960
Hunter-Lab	31.1745, 23.9099, -23.9659

# Details

The HunterLab color  $[31.1745, 23.9099, -23.9659]$  is a dark color, and the websafe version is hex  $663366$ . A complement of this color would be  $[44.5337, -22.7695, 19.5465]$ , and the grayscale version is  $[32.1088, -1.7132, 1.7445]$ .

A 20% lighter version of the original color is  $[50.3019, 26.0382, -25.2950]$ , and  $[15.4530, 21.1646, -23.0821]$  is the 20% darker color. If you saturate the color by 10%, you get  $[28.2523, 29.2823, -30.1819]$ , and if you desaturate by 10%, it is  $[34.4165, 18.3910, -17.9586]$ .

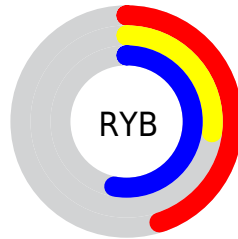
# Distribution



Red (45%)

Green (27%)

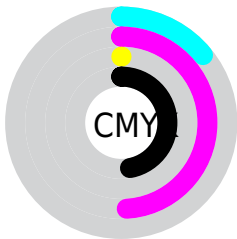
Blue (53%)



Red (45%)

Yellow (27%)

Blue (53%)

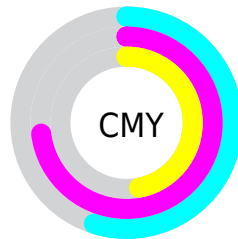


Cyan (14%)

Magenta (49%)

Yellow (0%)

Black (47%)



Cyan (55%)

Magenta (73%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 31.1745, 23.9099, -23.9659 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 31.1745, 23.9099, -23.9659 by changing the saturation by 10% instead.



31.1745, 23.9099,  
-23.9659

31.1745, 23.9099,  
-23.9659

137.3513, 31.1575,  
-27.5268

22.8320, 22.5525,  
-23.4289

50.2647, 26.2209,  
-25.0883

15.4038, 21.0623,  
-23.0722

60.8891, 27.1977,  
-25.5980

9.0101, 19.5717,  
-23.3909

72.1717, 28.0701,  
-26.0560

0.0000, INF, -NF

0.0000, NaN, -NF

84.0761, 28.8476,  
-26.4589

0.0000, NaN, NaN

96.5714, 29.5385,  
-26.8063

0.0000, NaN, NaN

109.6308, 30.1499,

0.0000, NaN, NaN

-27.0989

0.0000, NaN, NaN

123.2310, 30.6879,  
-27.3385

■ 31.1745, 23.9099,  
-23.9659

■ 31.1745, 23.9099,  
-23.9659

■ 28.2523, 29.2823,  
-30.1819

■ 34.4165, 18.3910,  
-17.9586

■ 25.7058, 34.2693,  
-36.4290

■ 37.9259, 12.8683,  
-12.2389

■ 23.5953, 38.5135,  
-42.3840

■ 41.6617, 7.4123,  
-6.8192

■ 21.9690, 41.5874,  
-47.5959

■ 45.5904, 2.0520,  
-1.6811

■ 20.7357, 43.5422,  
-52.0011

■ 49.6854, -3.2066,  
3.2070

■ 20.5998, 43.7693,  
-52.5133

■ 53.9252, -8.3691,  
7.8797

■ 58.2928, -13.4462,  
12.3704

■ 62.7743, -18.4503,  
16.7087

■ 67.3584, -23.3936,  
20.9202

# Harmonies

## Analogous

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



31.1751, 8.1956, -39.3585



31.1745, 23.9099, -23.9659



31.1751, 33.3944, -4.7719

# Triad

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



31.1751, 23.9092, -23.9649



31.1751, 4.7578, 18.6854



31.1751, -25.3351, -8.5151

# Complementary

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



31.1745, 23.9099, -23.9659



44.5337, -22.7695, 19.5465

# 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.



31.1751, -25.8954, 7.0213



31.1745, 23.9099, -23.9659



31.1751, -10.4346, 18.4490

# Square

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



31.1751, 23.9092, -23.9649



31.1751, 20.9706, 16.3279



31.1751, -20.9741, 15.3601



31.1751, -19.2555, -27.8338



# Rectangle

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



31.1745, 23.9099, -23.9659



31.1751, 33.8805, 5.4492



31.1751, -20.9741, 15.3601



31.1751, -26.1245, -2.5888

# Sweetspot

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



31.1751, 23.9092, -23.9649



57.5916, 7.3562, -6.6425



31.8220, 2.5561, -23.0541



27.2557, 4.1766, -3.8114



83.1908, -4.4389, 4.5199



31.6988, -1.6914, 1.7223



# Same Dimension

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



31.1751, 23.9092, -23.9649



37.2859, 40.1841, -41.5939



32.8750, 27.2827, -12.3549



21.6733, 1.0341, -0.8543



19.7990, 42.0533, -50.3595



1.3155, 2.6777, -2.4427



# Inverse Universe

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



31.7995, 22.2720, 2.7700



38.5186, 37.4118, 5.0314



43.8242, -25.1713, 15.7092



21.7006, 0.8788, 1.1004



22.1046, 38.4715, 9.5023



1.3440, 2.4214, -0.0593



# Previews

## White Background



This preview shows how the HunterLab color 31.1745, 23.9099, -23.9659 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 31.1745, 23.9099, -23.9659 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 31.1745, 23.9099, -23.9659 Background



This preview shows how black text looks on a background with the HunterLab color 31.1745, 23.9099, -23.9659.



This preview shows how white text looks on a background with the HunterLab color 31.1745, 23.9099, -23.9659.

-23.9659.

# 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

31.1745, 23.9099, -23.9659

### Protanopia

31.3842, 6.2604, -35.0619

### Deuteranopia

31.4378, 1.9937, -21.0897



## Tritanopia

31.3436, 7.6190, 2.3908

# Trichromacy



## Original Color

31.1745, 23.9099, -23.9659

## Protanomaly

30.8723, 11.7299, -32.2176

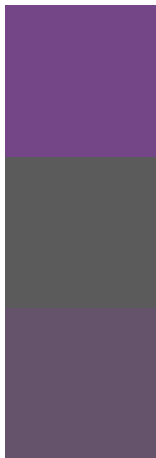
## Deuteranomaly

30.8695, 9.2672, -22.7439

## Tritanomaly

31.2282, 12.9976, -5.3953

# Monochromacy



## Original Color

31.1745, 23.9099, -23.9659

## Achromatopsia

32.3445, -1.7258, 1.7573

## Achromatomaly

31.5553, 7.0172, -6.5686

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 31.1745, 23.9099, -23.9659 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(116, 69, 135)` looks like.

```
.text, #text, p{  
    color:rgb(116, 69, 135)  
}
```

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(116, 69, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 69, 135) }
```

## Border

The CSS property to change the border of an element to HunterLab 31.1745, 23.9099, -23.9659 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(116, 69, 135) }
```



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

```
.border{ border-color:rgb(116, 69, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 69, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 69, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 69, 135);  
box-shadow:4px 4px 4px 4px rgb(116, 69,  
135) }
```

# Background

The CSS property to change the background color of an element to HunterLab 31.1745, 23.9099, -23.9659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 69, 135) }
```

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

```
.background{ background-color: rgb(116, 69,  
135) }
```

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