

# Converting Colors

CIELCh(44, 49.815, 58.240)

Have a look what the booklet for  
CIELCh(44, 49.815, 58.240) contains.

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# Color

**CIELCh(44, 49.815, 58.240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9E5520
RGB	158, 85, 32
RGB Percent	62%, 33%, 13%
CMY	0.3809, 0.6671, 0.8749
CMYK	0.00, 0.46, 0.80, 0.38
HSL	25°, 66%, 37%
HSV	25°, 80%, 62%
XYZ	17.5727, 13.8382, 3.1034
YIQ	100.7850, 60.5210, -1.0070

# Conversions

## Conversions Part 2

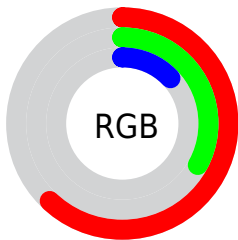
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 123, 32
Decimal	10376480
CIE <sub>Lab</sub>	44.00, 26.22, 42.36
CIE <sub>LCh</sub>	44, 49.815, 58.240
Yxy	13.8382, 0.5091, 0.4009
Android (android.graphics.Color)	4288566560 (0xFF9E5520)
YUV	100.7850, -33.9110, 50.1776
Hunter-Lab	37.1997, 19.2215, 21.0936

# Details

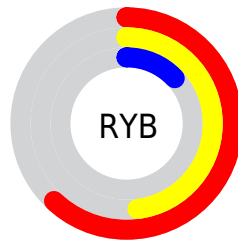
The CIELCh color **44, 49.815, 58.240** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **43, 35.090, 265.233**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 49.730, 58.728**, and **24, 43.782, 52.591** is the 20% darker color. If you saturate the color by 10%, you get **42, 56.104, 56.789**, and if you desaturate by 10%, it is **46, 42.880, 59.342**.

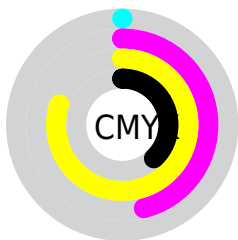
# Distribution



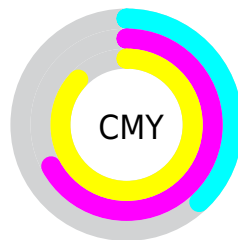
- Red (62%)
- Green (33%)
- Blue (13%)



- Red (62%)
- Yellow (48%)
- Blue (13%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (38%)



- Cyan (38%)
- Magenta (67%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 49.815, 58.240 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 CIELCh color 44, 49.815, 58.240 by changing the saturation by 10% instead.



■ 44, 49.815, 58.240

■ 44, 49.815, 58.240

■ 100, 49.815,  
58.240

■ 34, 49.815, 58.240

■ 64, 49.815, 58.240

■ 24, 49.815, 58.240

■ 74, 49.815, 58.240

■ 14, 49.815, 58.240

■ 84, 49.815, 58.240

■ 4, 49.815, 58.240

■ 94, 49.815, 58.240

■ 0, 49.815, 58.240

■ 44, 49.815, 58.240

■ 44, 49.815, 58.240

■ 42, 56.104, 56.789

■ 46, 42.880, 59.342

■ 40, 61.515, 55.054

■ 49, 35.863, 60.319

40, 61.634, 55.032

51, 29.039, 61.276

54, 22.526, 62.253

57, 16.363, 63.256

59, 10.551, 64.277

62, 5.071, 65.286

65, 0.106, 249.789

68, 5.010, 247.520

# Harmonies

# Complementary

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



44, 49.815, 58.240



43, 35.090, 265.233

# Rectangle

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



44, 49.815, 58.240



44, 49.815, 108.240



44, 49.815, 238.240



44, 49.815, 288.240

# Sweetspot

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



44, 49.814, 58.243



74, 15.980, 63.801



37, 57.061, 348.727



37, 11.062, 63.463



91, 0.011, 296.813



43, 0.006, 296.813



# Same Dimension

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



44, 49.814, 58.243



52, 72.682, 55.110



60, 58.022, 98.746



32, 2.925, 65.340



36, 57.129, 55.380



2, 3.711, 63.775





# Inverse Universe

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



43, 35.090, 265.233



50, 50.383, 273.567



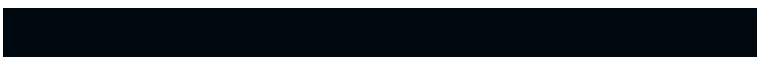
25, 73.733, 301.140



32, 2.831, 247.511



34, 39.219, 273.998



2, 3.800, 249.894



# Previews

## White Background



This preview shows how the CIELCh color 44, 49.815, 58.240 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 CIELCh color 44, 49.815, 58.240 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](#).

# CIELCh 44, 49.815, 58.240

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 49.815, 58.240.



This preview shows how white text looks on a background with the CIELCh color 44, 49.815, 58.240.

# 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

44, 49.815, 58.240

### Protanopia

44, 38.824, 95.879

### Deuteranopia

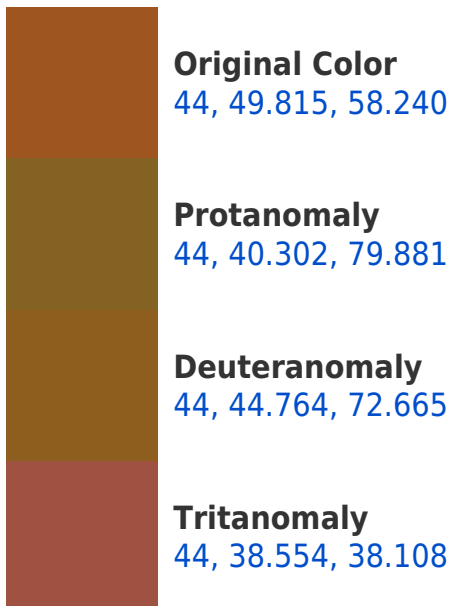
44, 43.815, 81.998



**Tritanopia**  
44, 35.828, 20.388



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 49.815, 58.240 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(158, 85, 32)` looks like.

```
.text, #text, p{  
    color:rgb(158, 85, 32)  
}
```

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(158, 85, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 85, 32) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 49.815, 58.240 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(158, 85, 32) }
```

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

```
.border{ border-color:rgb(158, 85, 32) }
```

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

Here you see how a box with a 4 pixel rgb(158, 85, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 85, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 85, 32);  
box-shadow:4px 4px 4px 4px rgb(158, 85,  
32) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 49.815, 58.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 85, 32) }
```

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

```
.background{ background-color: rgb(158, 85,  
32) }
```

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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