

# Converting Colors

CIELCh(73, 28.968, 50.894)

Have a look what the booklet for  
CIELCh(73, 28.968, 50.894) contains.

<b>CIELCh(73, 29.010, 50.886)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(73, 29.010, 50.886)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1A68B
RGB	225, 166, 139
RGB Percent	88%, 65%, 55%
CMY	0.1175, 0.3489, 0.4548
CMYK	0.00, 0.26, 0.38, 0.12
HSL	19°, 59%, 71%
HSV	19°, 38%, 88%
XYZ	49.3690, 45.1644, 30.5551
YIQ	180.5630, 43.8310, 4.1110

# Conversions

## Conversions Part 2

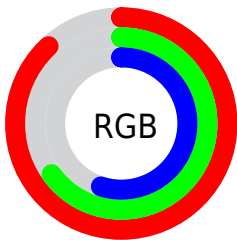
Format	Color
R <sub>Y</sub> B	225, 178, 139
Decimal	14788235
CIE Lab	73.00, 18.30, 22.51
CIE LCh	73, 29.010, 50.886
Yxy	45.1644, 0.3947, 0.3611
Android (android.graphics.Color)	4292978315 (0xFFE1A68B)
YUV	180.5630, -20.4906, 38.9712
Hunter-Lab	67.2044, 13.5199, 20.0864

# Details

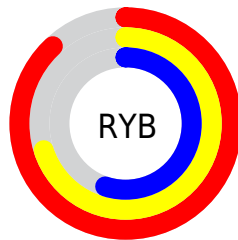
The CIELCh color **73, 29.010, 50.886** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **77, 22.978, 237.808**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 19.623, 67.164**, and **53, 28.983, 50.804** is the 20% darker color. If you saturate the color by 10%, you get **69, 38.026, 50.480**, and if you desaturate by 10%, it is **77, 20.609, 51.405**.

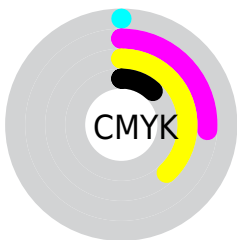
# Distribution



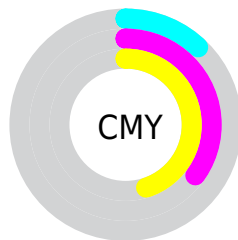
- Red (88%)
- Green (65%)
- Blue (55%)



- Red (88%)
- Yellow (70%)
- Blue (55%)



- Cyan (0%)
- Magenta (26%)
- Yellow (38%)
- Black (12%)



- Cyan (12%)
- Magenta (35%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 29.010, 50.886 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 73, 29.010, 50.886 by changing the saturation by 10% instead.



73, 29.010, 50.886

73, 29.010, 50.886

100, 29.010,  
50.886

63, 29.010, 50.886

93, 29.010, 50.886

53, 29.010, 50.886

43, 29.010, 50.886

33, 29.010, 50.886

23, 29.010, 50.886

13, 29.010, 50.886

3, 29.010, 50.886

0, 29.010, 50.886

73, 29.010, 50.886

73, 29.010, 50.886

69, 38.026, 50.480

77, 20.609, 51.405

65, 47.624, 50.177

81, 12.808, 51.996

62, 57.665, 49.956

86, 5.565, 52.613

58, 67.791, 49.714

90, 1.171, 233.894

55, 77.193, 49.168

95, 7.456, 234.249

53, 84.561, 47.874

98, 10.159,  
198.829

52, 85.785, 47.681

# Harmonies

# Complementary

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



73, 29.010, 50.886



77, 22.978, 237.808

# Rectangle

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



73, 29.010, 50.886



73, 29.010, 100.886



73, 29.010, 230.886



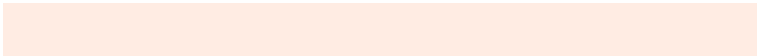
73, 29.010, 280.886

# Sweetspot

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



73, 29.009, 50.892



95, 8.333, 52.441



68, 44.717, 337.146



50, 5.628, 52.357



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



73, 29.009, 50.892



78, 39.861, 50.550



83, 36.528, 95.879



45, 3.854, 52.541



41, 70.946, 48.240



9, 20.823, 40.984



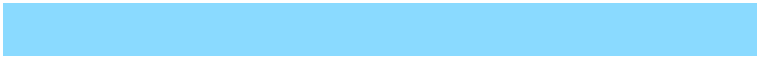


# Inverse Universe

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



77, 22.978, 237.808



83, 29.761, 239.383



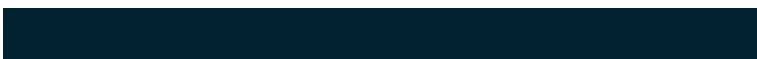
66, 38.332, 286.223



45, 3.670, 234.151



48, 37.858, 258.484



11, 14.429, 248.705



# Previews

## White Background



This preview shows how the CIELCh color 73, 29.010, 50.886 looks on a white 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

# Black Background



This preview shows how the CIE LCh color 73, 29.010, 50.886 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

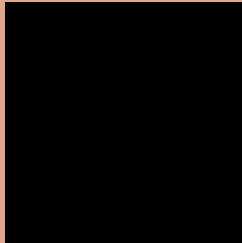
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 73, 29.010, 50.886

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 29.010, 50.886.



This preview shows how white text looks on a background with the CIELCh color 73, 29.010, 50.886.

# 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

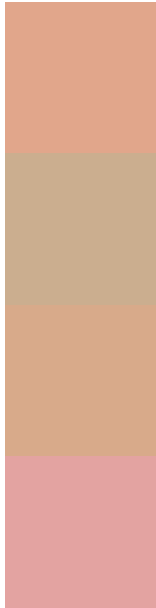




**Tritanopia**  
73, 26.863, 6.973



# Trichromacy



**Original Color**  
73, 29.010, 50.886

**Protanomaly**  
73, 20.666, 73.477

**Deuteranomaly**  
73, 26.118, 61.407

**Tritanomaly**  
73, 25.651, 24.075

# Monochromacy



**Original Color**  
73, 29.010, 50.886

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
73, 9.823, 53.168

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 29.010, 50.886 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(225, 166, 139)` looks like.

```
.text, #text, p{  
    color:rgb(225, 166, 139)  
}
```

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(225, 166, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 166, 139) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 29.010, 50.886 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(225, 166, 139) }
```

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

```
.border{ border-color:rgb(225, 166, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 166, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 166, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 166, 139); box-shadow:4px 4px 4px 4px rgb(225, 166, 139) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 29.010, 50.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 166, 139) }
```

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

```
.background{ background-color: rgb(225,  
166, 139) }
```

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