

# Converting Colors

CIELCh(75, 51.312, 81.568)

Have a look what the booklet for  
CIELCh(75, 51.312, 81.568) contains.

<b>CIELCh(75, 51.424, 81.272)</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(75, 51.424, 81.272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1B159
RGB	225, 177, 89
RGB Percent	88%, 69%, 35%
CMY	0.1169, 0.3052, 0.6503
CMYK	0.00, 0.21, 0.60, 0.12
HSL	39°, 70%, 62%
HSV	39°, 60%, 88%
XYZ	48.6804, 48.2781, 16.2414
YIQ	181.3200, 56.8560, -17.1920

# Conversions

## Conversions Part 2

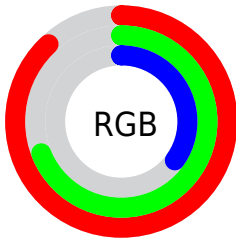
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 225, 89
Decimal	14791001
CIELab	75.00, 7.80, 50.83
CIELCh	75, 51.424, 81.272
Yxy	48.2781, 0.4300, 0.4265
Android (android.graphics.Color)	4292981081 (0xFFE1B159)
YUV	181.3200, -45.5138, 38.3074
Hunter-Lab	69.4824, 3.4653, 34.7788

# Details

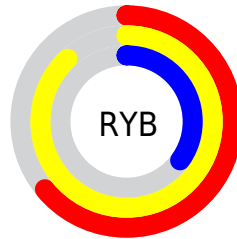
The CIELCh color **75, 51.424, 81.272** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **58, 50.759, 281.829**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 46.654, 94.855**, and **55, 51.582, 81.743** is the 20% darker color. If you saturate the color by 10%, you get **73, 59.630, 79.696**, and if you desaturate by 10%, it is **77, 42.780, 82.758**.

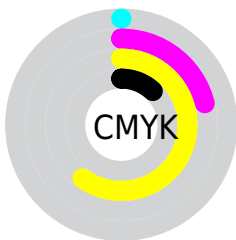
# Distribution



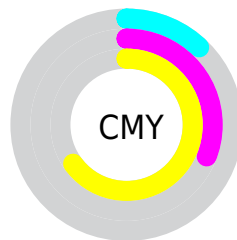
- Red (88%)
- Green (69%)
- Blue (35%)



- Red (64%)
- Yellow (88%)
- Blue (35%)



- Cyan (0%)
- Magenta (21%)
- Yellow (60%)
- Black (12%)



- Cyan (12%)
- Magenta (31%)
- Yellow (65%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 51.424, 81.272 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 75, 51.424, 81.272 by changing the saturation by 10% instead.



 75, 51.424, 81.272

 75, 51.424, 81.272

 100, 51.424,  
81.272

 65, 51.424, 81.272

 95, 51.424, 81.272

 55, 51.424, 81.272

 45, 51.424, 81.272

 35, 51.424, 81.272

 25, 51.424, 81.272

 15, 51.424, 81.272

 5, 51.424, 81.272

 0, 51.424, 81.272

 75, 51.424, 81.272

 75, 51.424, 81.272

73, 59.630, 79.696

77, 42.780, 82.758

71, 66.818, 77.931

80, 34.029, 84.182

69, 72.137, 75.821

82, 25.345, 85.561

67, 75.103, 73.365

84, 16.813, 86.899

87, 8.466, 88.185

89, 0.315, 88.588

92, 7.646, 270.720

94, 8.925, 254.511

96, 8.530, 221.212

# Harmonies

# Complementary

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



75, 51.424, 81.272



58, 50.759, 281.829

# Rectangle

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



75, 51.424, 81.272



75, 51.424, 131.272



75, 51.424, 261.272



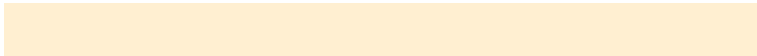
75, 51.424, 311.272

# Sweetspot

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



75, 51.424, 81.276



95, 16.361, 87.197



57, 57.387, 0.147



50, 11.409, 86.813



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



75, 51.424, 81.276



81, 67.276, 79.346



86, 67.131, 111.039



46, 4.602, 88.304



53, 62.452, 73.909



13, 20.559, 76.530





# Inverse Universe

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



58, 50.759, 281.829



58, 67.703, 285.828



47, 79.654, 302.535



44, 4.591, 270.808



31, 71.466, 295.330



6, 23.512, 285.610



# Previews

## White Background



This preview shows how the CIELCh color 75, 51.424, 81.272 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 75, 51.424, 81.272 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 75, 51.424, 81.272

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 51.424, 81.272.



This preview shows how white text looks on a background with the CIELCh color 75, 51.424, 81.272.

# 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**  
75, 25.933, 6.331



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 51.424, 81.272 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, 177, 89)` looks like.

```
.text, #text, p{  
    color:rgb(225, 177, 89)  
}
```

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, 177, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 177, 89) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 51.424, 81.272 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, 177, 89) }
```

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

```
.border{ border-color:rgb(225, 177, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 177, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 177, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 177, 89);  
box-shadow:4px 4px 4px 4px rgb(225, 177,  
89) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 51.424, 81.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 177, 89) }
```

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

```
.background{ background-color: rgb(225,  
177, 89) }
```

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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