

# Converting Colors

CIELCh(75, 57.766, 83.606)

Have a look what the booklet for  
CIELCh(75, 57.766, 83.606) contains.

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# **Color**

**CIELCh(75, 57.736, 83.649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1B24B
RGB	225, 178, 75
RGB Percent	88%, 70%, 29%
CMY	0.1182, 0.3025, 0.7064
CMYK	0.00, 0.21, 0.67, 0.12
HSL	41°, 71%, 59%
HSV	41°, 67%, 88%
XYZ	48.1651, 48.2781, 13.4133
YIQ	180.3110, 61.0750, -22.0690

# Conversions

## Conversions Part 2

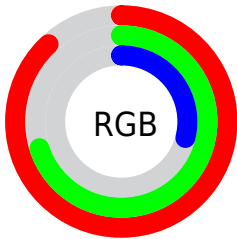
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 225, 75
Decimal	14791243
CIELab	75.00, 6.39, 57.38
CIELCh	75, 57.736, 83.649
Yxy	48.2781, 0.4384, 0.4395
Android (android.graphics.Color)	4292981323 (0xFFE1B24B)
YUV	180.3110, -51.9183, 39.1923
Hunter-Lab	69.4824, 2.1415, 37.1921

# Details

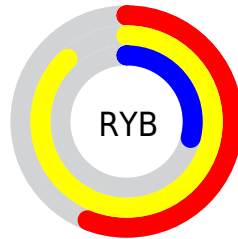
The CIELCh color **75, 57.736, 83.649** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **53, 59.775, 286.655**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 53.620, 96.129**, and **55, 57.892, 83.833** is the 20% darker color. If you saturate the color by 10%, you get **73, 65.197, 82.033**, and if you desaturate by 10%, it is **77, 49.378, 85.149**.

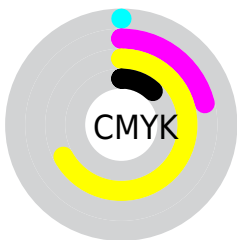
# Distribution



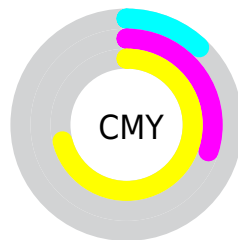
- Red (88%)
- Green (70%)
- Blue (29%)



- Red (56%)
- Yellow (88%)
- Blue (29%)



- Cyan (0%)
- Magenta (21%)
- Yellow (67%)
- Black (12%)



- Cyan (12%)
- Magenta (30%)
- Yellow (71%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 57.736, 83.649 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, 57.736, 83.649 by changing the saturation by 10% instead.



 75, 57.736, 83.649

 75, 57.736, 83.649

 100, 57.736,  
83.649

 65, 57.736, 83.649

 95, 57.736, 83.649

 55, 57.736, 83.649

 45, 57.736, 83.649

 35, 57.736, 83.649

 25, 57.736, 83.649

 15, 57.736, 83.649

 5, 57.736, 83.649

 0, 57.736, 83.649

 75, 57.736, 83.649

 75, 57.736, 83.649

73, 65.197, 82.033

77, 49.378, 85.149

71, 71.004, 80.186

79, 40.621, 86.577

69, 74.350, 77.946

81, 31.750, 87.959

69, 75.149, 77.162

83, 22.919, 89.300

86, 14.205, 90.598

88, 5.640, 91.834

90, 2.764, 273.184

93, 11.007,  
274.283

94, 8.889, 252.038

# Harmonies

# Complementary

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



75, 57.736, 83.649



53, 59.775, 286.655

# Rectangle

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



75, 57.736, 83.649



75, 57.736, 133.649



75, 57.736, 263.649



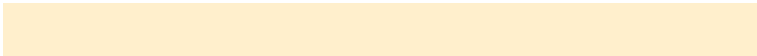
75, 57.736, 313.649

# Sweetspot

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



75, 57.736, 83.652



95, 18.899, 90.157



54, 61.827, 5.670



50, 12.928, 89.790



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, 57.736, 83.652



81, 74.433, 81.356



85, 73.114, 113.148



46, 4.786, 91.505



55, 62.603, 77.642



14, 21.087, 80.589





# Inverse Universe

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



53, 59.775, 286.655



52, 80.818, 291.359



43, 88.154, 304.526



44, 4.795, 273.952



29, 76.120, 297.557



5, 24.608, 287.466



# Previews

## White Background



This preview shows how the CIELCh color 75, 57.736, 83.649 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 CIELCh color 75, 57.736, 83.649 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, 57.736, 83.649

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 57.736, 83.649.



This preview shows how white text looks on a background with the CIELCh color 75, 57.736, 83.649.

# 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

75, 57.736, 83.649

### Protanopia

75, 56.213, 95.354

### Deuteranopia

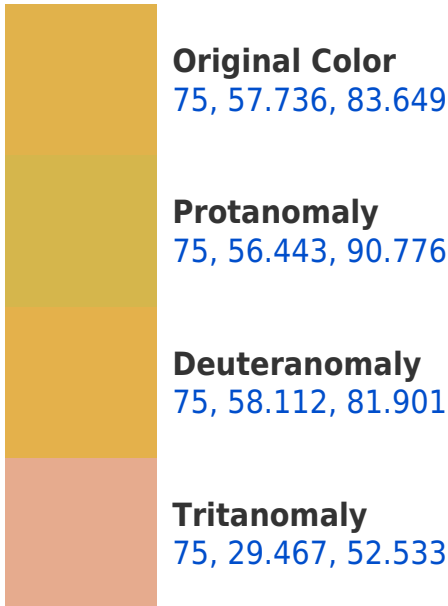
75, 58.340, 80.567



**Tritanopia**  
75, 26.312, 6.604



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 57.736, 83.649 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, 178, 75)` looks like.

```
.text, #text, p{  
    color:rgb(225, 178, 75)  
}
```

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, 178, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 178, 75) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 57.736, 83.649 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, 178, 75) }
```

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

```
.border{ border-color:rgb(225, 178, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 178, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 178, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 178, 75);  
box-shadow:4px 4px 4px 4px rgb(225, 178,  
75) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 57.736, 83.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 178, 75) }
```

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

```
.background{ background-color: rgb(225,  
178, 75) }
```

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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