

Converting Colors

CIELCh(75, 64.858, 82.998)

Have a look what the booklet for
CIELCh(75, 64.858, 82.998) contains.

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Color

CIELCh(75, 64.996, 83.128)

Conversions

Conversions Part 1

Format	Color
Hex	E5B13A
RGB	229, 177, 58
RGB Percent	90%, 69%, 23%
CMY	0.1029, 0.3067, 0.7734
CMYK	0.00, 0.23, 0.75, 0.10
HSL	42°, 77%, 56%
HSV	42°, 75%, 90%
XYZ	48.6707, 48.2781, 10.7257
YIQ	178.9820, 69.1910, -25.9850

Conversions

Conversions Part 2

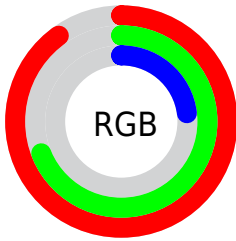
Format	Color
RYB	133, 229, 58
Decimal	15053114
CIELab	75.00, 7.78, 64.53
CIELCh	75, 64.996, 83.128
Yxy	48.2781, 0.4520, 0.4484
Android (android.graphics.Color)	4293243194 (0xFFE5B13A)
YUV	178.9820, -59.6441, 43.8658
Hunter-Lab	69.4824, 3.4405, 39.4853

Details

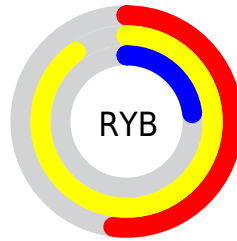
The CIELCh color **75, 64.996, 83.128** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **49, 69.612, 289.948**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 60.107, 96.135**, and **55, 61.442, 82.623** is the 20% darker color. If you saturate the color by 10%, you get **73, 71.206, 81.365**, and if you desaturate by 10%, it is **77, 57.238, 84.704**.

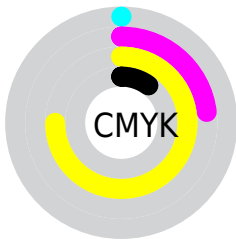
Distribution



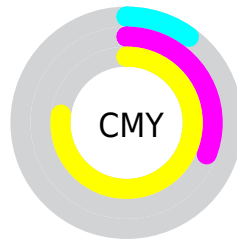
- Red (90%)
- Green (69%)
- Blue (23%)



- Red (52%)
- Yellow (90%)
- Blue (23%)



- Cyan (0%)
- Magenta (23%)
- Yellow (75%)
- Black (10%)



- Cyan (10%)
- Magenta (31%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 64.996, 83.128 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, 64.996, 83.128 by changing the saturation by 10% instead.

 75, 64.996, 83.128

 75, 64.996, 83.128

 100, 64.996,
83.128

 65, 64.996, 83.128

 95, 64.996, 83.128

 55, 64.996, 83.128

 45, 64.996, 83.128

 35, 64.996, 83.128

 25, 64.996, 83.128

 15, 64.996, 83.128

 5, 64.996, 83.128

 0, 64.996, 83.128

 75, 64.996, 83.128

 75, 64.996, 83.128

73, 71.206, 81.365

77, 57.238, 84.704

71, 75.017, 79.255

79, 48.657, 86.174

71, 76.214, 78.021

81, 39.716, 87.584

83, 30.678, 88.951

85, 21.685, 90.278

87, 12.807, 91.562

90, 4.077, 92.769

92, 4.497, 274.085

94, 8.753, 266.484

Harmonies

Complementary

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



75, 64.996, 83.128



49, 69.612, 289.948

Rectangle

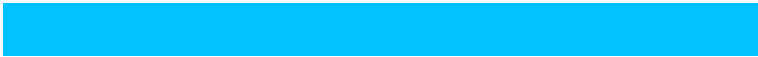
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 64.996, 83.128



75, 64.996, 133.128



75, 64.996, 263.128



75, 64.996, 313.128

Sweetspot

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



75, 64.995, 83.131



95, 21.010, 90.618



53, 68.481, 8.376



50, 14.149, 90.263



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, 64.995, 83.131



80, 80.066, 80.196



86, 80.502, 112.989



47, 4.921, 92.216



56, 63.353, 78.484



15, 22.514, 81.427

Inverse Universe

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



49, 69.612, 289.948



47, 93.336, 295.471



39, 100.085, 305.536



45, 4.935, 274.654



29, 78.108, 298.072



5, 26.350, 289.056

Previews

White Background



This preview shows how the CIELCh color 75, 64.996, 83.128 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, 64.996, 83.128 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, 64.996, 83.128

Background



This preview shows how black text looks on a background with the CIELCh color 75, 64.996, 83.128.



This preview shows how white text looks on a background with the CIELCh color 75, 64.996, 83.128.

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, 64.996, 83.128

Protanopia

75, 63.236, 95.250

Deuteranopia

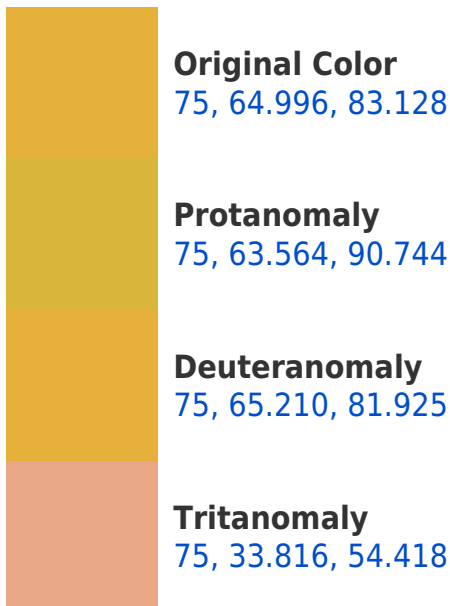
75, 65.407, 81.571



Tritanopia

75, 28.654, 8.147

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 64.996, 83.128 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(229, 177, 58)` looks like.

```
.text, #text, p{  
    color:rgb(229, 177, 58)  
}
```

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(229, 177, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 177, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 64.996, 83.128 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(229, 177, 58) }
```

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

```
.border{ border-color:rgb(229, 177, 58) }
```

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

Here you see how a box with a 4 pixel rgb(229, 177, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 177, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 177, 58);  
box-shadow:4px 4px 4px 4px rgb(229, 177,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 64.996, 83.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 177, 58) }
```

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

```
.background{ background-color: rgb(229,  
177, 58) }
```

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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