

Converting Colors

CIELCh(75, 47.735, 71.441)

Have a look what the booklet for
CIELCh(75, 47.735, 71.441) contains.

CIELCh(75, 47.744, 71.077)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(75, 47.744, 71.077)

Conversions

Conversions Part 1

Format	Color
Hex	EBAC65
RGB	235, 172, 101
RGB Percent	92%, 67%, 40%
CMY	0.0772, 0.3243, 0.6028
CMYK	0.00, 0.27, 0.57, 0.08
HSL	32°, 77%, 66%
HSV	32°, 57%, 92%
XYZ	51.5382, 48.2781, 18.9851
YIQ	182.7430, 60.3390, -8.7250

Conversions

Conversions Part 2

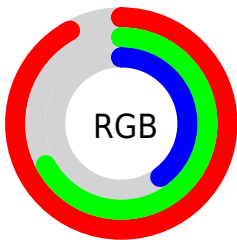
Format	Color
RYB	220, 235, 101
Decimal	15445093
CIELab	75.00, 15.48, 45.16
CIElCh	75, 47.744, 71.077
Yxy	48.2781, 0.4338, 0.4064
Android (android.graphics.Color)	4293635173 (0xFFEBAC65)
YUV	182.7430, -40.2993, 45.8294
Hunter-Lab	69.4824, 10.8070, 32.4376

Details

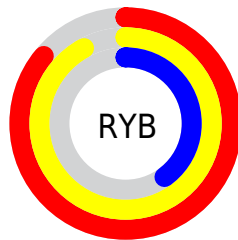
The CIELCh color **75, 47.744, 71.077** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **66, 41.802, 270.321**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 39.646, 90.451**, and **55, 47.862, 71.257** is the 20% darker color. If you saturate the color by 10%, you get **72, 56.839, 69.630**, and if you desaturate by 10%, it is **78, 38.671, 72.458**.

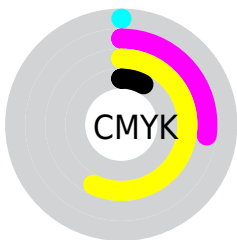
Distribution



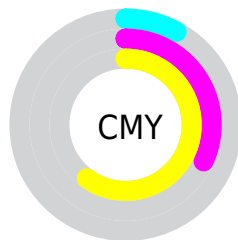
- Red (92%)
- Green (67%)
- Blue (40%)



- Red (86%)
- Yellow (92%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (57%)
- Black (8%)



- Cyan (8%)
- Magenta (32%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 47.744, 71.077 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, 47.744, 71.077 by changing the saturation by 10% instead.

75, 47.744, 71.077

75, 47.744, 71.077

100, 47.744,
71.077

65, 47.744, 71.077

95, 47.744, 71.077

55, 47.744, 71.077

45, 47.744, 71.077

35, 47.744, 71.077

25, 47.744, 71.077

15, 47.744, 71.077

5, 47.744, 71.077

0, 47.744, 71.077

75, 47.744, 71.077

75, 47.744, 71.077

72, 56.839, 69.630

78, 38.671, 72.458

69, 65.522, 68.010

81, 29.829, 73.799

67, 72.998, 66.020

84, 21.304, 75.117

64, 78.195, 63.344

88, 13.120, 76.407

64, 79.520, 62.484

91, 5.271, 77.637

94, 2.267, 259.125

97, 5.578, 228.044

99, 6.742, 199.077

Harmonies

Complementary

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



75, 47.744, 71.077



66, 41.802, 270.321

Rectangle

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



75, 47.744, 71.077



75, 47.744, 121.077



75, 47.744, 251.077



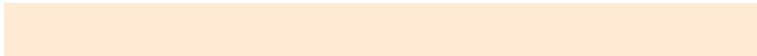
75, 47.744, 301.077

Sweetspot

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



75, 47.744, 71.081



94, 14.038, 76.392



62, 58.967, 351.284



49, 9.430, 76.135



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, 47.744, 71.081



77, 61.670, 69.427



91, 65.721, 105.646



47, 4.314, 77.341



50, 65.160, 63.163



13, 22.220, 64.151

Inverse Universe

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



66, 41.802, 270.321



66, 53.018, 274.227



50, 77.708, 299.380



47, 4.238, 259.893



38, 59.153, 286.792



9, 21.682, 278.907

Previews

White Background



This preview shows how the CIELCh color 75, 47.744, 71.077 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, 47.744, 71.077 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, 47.744, 71.077

Background



This preview shows how black text looks on a background with the CIELCh color 75, 47.744, 71.077.

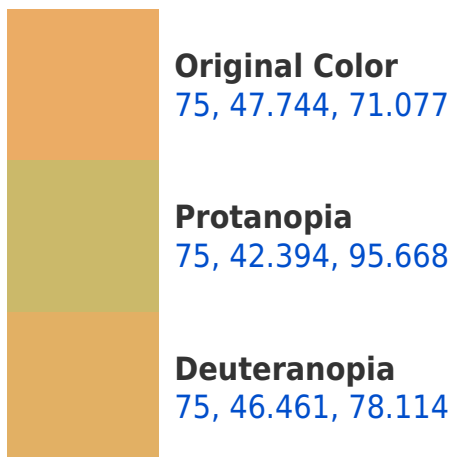


This preview shows how white text looks on a background with the CIELCh color 75, 47.744, 71.077.

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](#).

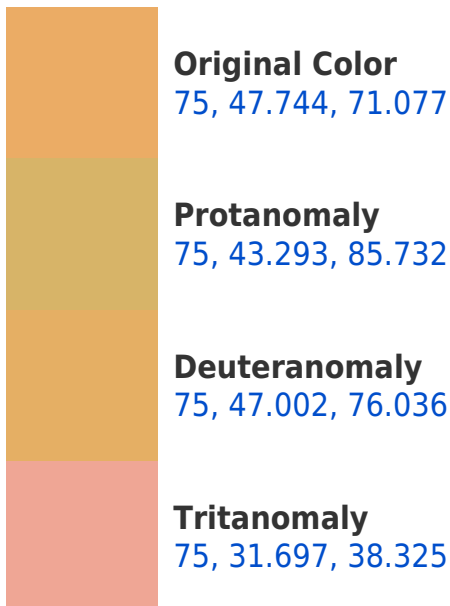
Dichromacy





Tritanopia
75, 31.021, 9.508

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 47.744, 71.077 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(235, 172, 101)` looks like.

```
.text, #text, p{  
    color:rgb(235, 172, 101)  
}
```

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(235, 172, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 172, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 47.744, 71.077 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(235, 172, 101) }
```

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

```
.border{ border-color:rgb(235, 172, 101) }
```

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

Here you see how a box with a 4 pixel rgb(235, 172, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 172, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 172, 101);  
box-shadow:4px 4px 4px 4px rgb(235, 172,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 47.744, 71.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 172, 101) }
```

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

```
.background{ background-color: rgb(235,  
172, 101) }
```

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