

Converting Colors

CIELCh(75, 69.688, 77.763)

Have a look what the booklet for
CIELCh(75, 69.688, 77.763) contains.

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Color

CIELCh(75, 69.688, 77.763)

Conversions

Conversions Part 1

Format	Color
Hex	F0AC31
RGB	240, 172, 49
RGB Percent	94%, 67%, 19%
CMY	0.0586, 0.3253, 0.8076
CMYK	0.00, 0.28, 0.80, 0.06
HSL	39°, 86%, 57%
HSV	39°, 80%, 94%
XYZ	51.2685, 48.2781, 9.5278
YIQ	178.3100, 80.0110, -23.8370

Conversions

Conversions Part 2

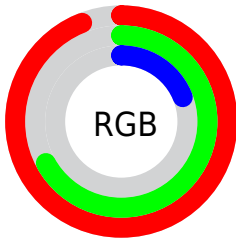
Format	Color
R _Y B	155, 240, 49
Decimal	15772721
CIE Lab	75.00, 14.77, 68.10
CIE LCh	75, 69.688, 77.763
Yxy	48.2781, 0.4700, 0.4426
Android (android.graphics.Color)	4293962801 (0xFFFF0AC31)
YUV	178.3100, -63.7498, 54.1021
Hunter-Lab	69.4824, 10.1142, 40.5076

Details

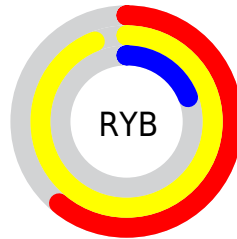
The CIELCh color **75, 69.688, 77.763** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **51, 71.448, 288.270**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 61.980, 94.155**, and **55, 63.303, 76.065** is the 20% darker color. If you saturate the color by 10%, you get **73, 75.447, 75.663**, and if you desaturate by 10%, it is **77, 62.014, 79.527**.

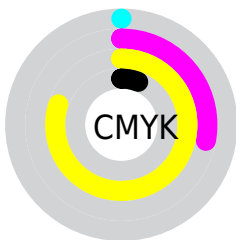
Distribution



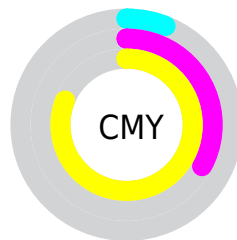
- Red (94%)
- Green (67%)
- Blue (19%)



- Red (61%)
- Yellow (94%)
- Blue (19%)



- Cyan (0%)
- Magenta (28%)
- Yellow (80%)
- Black (6%)



- Cyan (6%)
- Magenta (33%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 69.688, 77.763 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, 69.688, 77.763 by changing the saturation by 10% instead.

75, 69.688, 77.763

75, 69.688, 77.763

100, 69.688,
77.763

65, 69.688, 77.763

95, 69.688, 77.763

55, 69.688, 77.763

45, 69.688, 77.763

35, 69.688, 77.763

25, 69.688, 77.763

15, 69.688, 77.763

5, 69.688, 77.763

0, 69.688, 77.763

75, 69.688, 77.763

75, 69.688, 77.763

73, 75.447, 75.663

77, 62.014, 79.527

71, 78.694, 73.064

80, 53.321, 81.107

71, 78.821, 72.950

82, 44.202, 82.591

84, 34.994, 84.018

87, 25.872, 85.401

90, 16.918, 86.742

92, 8.166, 88.028

95, 0.378, 270.105

97, 4.314, 245.081

Harmonies

Complementary

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



75, 69.688, 77.763



51, 71.448, 288.270

Rectangle

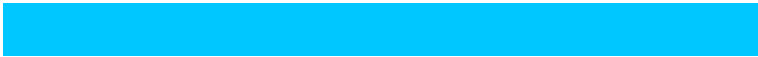
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 69.688, 77.763



75, 69.688, 127.763



75, 69.688, 257.763



75, 69.688, 307.763

Sweetspot

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



75, 69.687, 77.766



93, 21.915, 86.142



54, 74.168, 6.126



49, 15.119, 85.661



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, 69.687, 77.766



76, 81.159, 74.212



90, 86.297, 110.452



49, 4.845, 88.039



55, 64.458, 73.519



16, 24.284, 76.223

Inverse Universe

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



51, 71.448, 288.270



47, 91.078, 294.231



38, 110.638, 305.368



47, 4.831, 270.564



32, 73.629, 295.266



7, 27.285, 288.682

Previews

White Background



This preview shows how the CIELCh color 75, 69.688, 77.763 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, 69.688, 77.763 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, 69.688, 77.763

Background



This preview shows how black text looks on a background with the CIELCh color 75, 69.688, 77.763.



This preview shows how white text looks on a background with the CIELCh color 75, 69.688, 77.763.

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, 69.688, 77.763

Protanopia

75, 66.204, 94.954

Deuteranopia

75, 68.833, 82.309



Tritanopia
75, 34.160, 11.974

Trichromacy



Original Color
75, 69.688, 77.763

Protanomaly
75, 66.592, 88.242

Deuteranomaly
75, 69.281, 80.844

Tritanomaly
75, 39.909, 50.990

Monochromacy



Original Color
75, 69.688, 77.763

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 26.505, 84.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 69.688, 77.763 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(240, 172, 49)` looks like.

```
.text, #text, p{  
    color:rgb(240, 172, 49)  
}
```

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(240, 172, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 172, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 69.688, 77.763 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(240, 172, 49) }
```

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

```
.border{ border-color:rgb(240, 172, 49) }
```

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

Here you see how a box with a 4 pixel rgb(240, 172, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 172, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 172, 49);  
box-shadow:4px 4px 4px 4px rgb(240, 172,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 69.688, 77.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 172, 49) }
```

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

```
.background{ background-color: rgb(240,  
172, 49) }
```

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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