

Converting Colors

CIELCh(75, 63.848, 73.813)

Have a look what the booklet for
CIELCh(75, 63.848, 73.813) contains.

CIELCh(75, 63.848, 73.813)	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, 63.848, 73.813)

Conversions

Conversions Part 1

Format	Color
Hex	F3AA43
RGB	243, 170, 67
RGB Percent	95%, 67%, 26%
CMY	0.0465, 0.3329, 0.7368
CMYK	0.00, 0.30, 0.72, 0.05
HSL	35°, 88%, 61%
HSV	35°, 72%, 95%
XYZ	52.4214, 48.2781, 11.8841
YIQ	180.0850, 76.5710, -16.5570

Conversions

Conversions Part 2

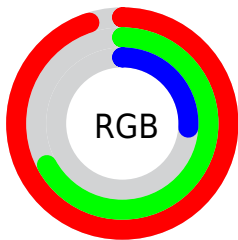
Format	Color
RYB	192, 243, 67
Decimal	15968835
CIELab	75.00, 17.80, 61.32
CIELCh	75, 63.848, 73.813
Yxy	48.2781, 0.4656, 0.4288
Android (android.graphics.Color)	4294158915 (0xFFFF3AA43)
YUV	180.0850, -55.7509, 55.1765
Hunter-Lab	69.4824, 13.0760, 38.4969

Details

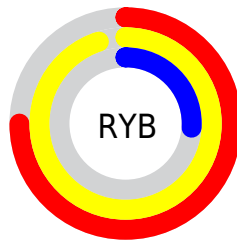
The CIELCh color **75, 63.848, 73.813** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **58, 59.350, 281.003**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 54.620, 92.485**, and **55, 63.863, 73.893** is the 20% darker color. If you saturate the color by 10%, you get **72, 71.649, 71.939**, and if you desaturate by 10%, it is **78, 55.004, 75.440**.

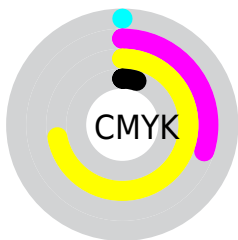
Distribution



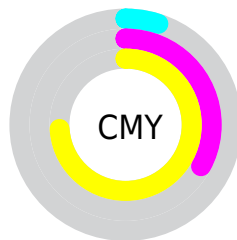
- Red (95%)
- Green (67%)
- Blue (26%)



- Red (75%)
- Yellow (95%)
- Blue (26%)



- Cyan (0%)
- Magenta (30%)
- Yellow (72%)
- Black (5%)



- Cyan (5%)
- Magenta (33%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 63.848, 73.813 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, 63.848, 73.813 by changing the saturation by 10% instead.

75, 63.848, 73.813

75, 63.848, 73.813

100, 63.848,
73.813

65, 63.848, 73.813

95, 63.848, 73.813

55, 63.848, 73.813

45, 63.848, 73.813

35, 63.848, 73.813

25, 63.848, 73.813

15, 63.848, 73.813

5, 63.848, 73.813

0, 63.848, 73.813

75, 63.848, 73.813

75, 63.848, 73.813

72, 71.649, 71.939

78, 55.004, 75.440

70, 77.409, 69.572

80, 45.787, 76.938

68, 80.197, 67.381

83, 36.563, 78.372

86, 27.510, 79.764

89, 18.708, 81.118

92, 10.181, 82.428

95, 1.928, 83.566

98, 3.380, 238.810

99, 4.096, 199.307

Harmonies

Complementary

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



75, 63.848, 73.813



58, 59.350, 281.003

Rectangle

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



75, 63.848, 73.813



75, 63.848, 123.813



75, 63.848, 253.813



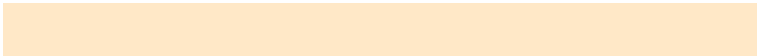
75, 63.848, 303.813

Sweetspot

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



75, 63.847, 73.816



93, 19.092, 81.163



57, 71.136, 359.662



49, 12.886, 80.799



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, 63.847, 73.816



75, 77.500, 70.876



92, 81.719, 108.041



50, 4.671, 82.795



53, 65.539, 68.013



16, 24.929, 70.281

Inverse Universe

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



58, 59.350, 281.003



54, 74.811, 286.878



42, 102.703, 303.618



48, 4.624, 265.372



36, 67.202, 291.375



9, 25.762, 284.858

Previews

White Background



This preview shows how the CIELCh color 75, 63.848, 73.813 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, 63.848, 73.813 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, 63.848, 73.813

Background



This preview shows how black text looks on a background with the CIELCh color 75, 63.848, 73.813.



This preview shows how white text looks on a background with the CIELCh color 75, 63.848, 73.813.

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, 63.848, 73.813

Protanopia

75, 58.773, 95.486

Deuteranopia

75, 62.576, 81.295



Tritanopia
75, 36.190, 12.824

Trichromacy



Original Color
75, 63.848, 73.813

Protanomaly
75, 59.420, 87.180

Deuteranomaly
75, 62.736, 78.719

Tritanomaly
75, 40.123, 45.327

Monochromacy



Original Color
75, 63.848, 73.813

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 22.970, 79.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 63.848, 73.813 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(243, 170, 67)` looks like.

```
.text, #text, p{  
    color:rgb(243, 170, 67)  
}
```

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(243, 170, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 170, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 63.848, 73.813 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(243, 170, 67) }
```

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

```
.border{ border-color:rgb(243, 170, 67) }
```

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

Here you see how a box with a 4 pixel rgb(243, 170, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 170, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 170, 67);  
box-shadow:4px 4px 4px 4px rgb(243, 170,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 63.848, 73.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 170, 67) }
```

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

```
.background{ background-color: rgb(243,  
170, 67) }
```

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