

Converting Colors

CIELCh(74, 55.679, 69.567)

Have a look what the booklet for
CIELCh(74, 55.679, 69.567) contains.

CIELCh(74, 55.568, 69.902)	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(74, 55.568, 69.902)

Conversions

Conversions Part 1

Format	Color
Hex	F0A755
RGB	240, 167, 85
RGB Percent	94%, 65%, 33%
CMY	0.0597, 0.3458, 0.6674
CMYK	0.00, 0.30, 0.65, 0.06
HSL	32°, 84%, 64%
HSV	32°, 65%, 94%
XYZ	51.2736, 46.7039, 14.8673
YIQ	179.4790, 69.8300, -10.0260

Conversions

Conversions Part 2

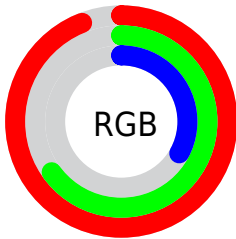
Format	Color
R _Y B	223, 240, 85
Decimal	15771477
CIE Lab	74.00, 19.09, 52.18
CIE LCh	74, 55.568, 69.902
Yxy	46.7039, 0.4544, 0.4139
Android (android.graphics.Color)	4293961557 (0xFFFF0A755)
YUV	179.4790, -46.5781, 53.0769
Hunter-Lab	68.3403, 14.3275, 34.9398

Details

The CIELCh color **74, 55.568, 69.902** 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 **64, 47.948, 272.850**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 45.730, 89.210**, and **54, 55.786, 69.926** is the 20% darker color. If you saturate the color by 10%, you get **71, 64.539, 68.336**, and if you desaturate by 10%, it is **77, 46.307, 71.334**.

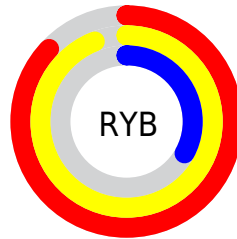
Distribution



Red (94%)

Green (65%)

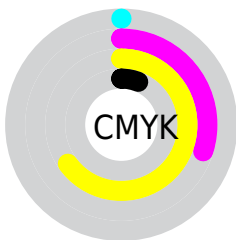
Blue (33%)



Red (87%)

Yellow (94%)

Blue (33%)

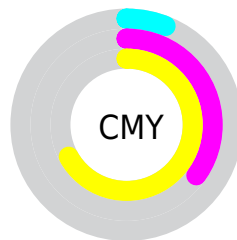


Cyan (0%)

Magenta (30%)

Yellow (65%)

Black (6%)



Cyan (6%)

Magenta (35%)

Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 55.568, 69.902 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 74, 55.568, 69.902 by changing the saturation by 10% instead.

 74, 55.568, 69.902

 74, 55.568, 69.902

 100, 55.568,
69.902

 64, 55.568, 69.902

 94, 55.568, 69.902

 54, 55.568, 69.902

 44, 55.568, 69.902

 34, 55.568, 69.902

 24, 55.568, 69.902

 14, 55.568, 69.902

 4, 55.568, 69.902

 0, 55.568, 69.902

 74, 55.568, 69.902

 74, 55.568, 69.902

71, 64.539, 68.336

77, 46.307, 71.334

68, 72.504, 66.454

80, 37.135, 72.700

66, 78.377, 63.953

83, 28.227, 74.036

65, 80.689, 62.383

86, 19.653, 75.349

90, 11.426, 76.630

93, 3.536, 77.822

97, 4.043, 259.266

99, 5.239, 199.200

Harmonies

Complementary

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



74, 55.568, 69.902



64, 47.948, 272.850

Rectangle

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



74, 55.568, 69.902



74, 55.568, 119.902



74, 55.568, 249.902



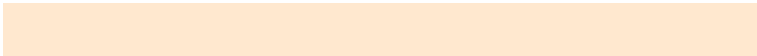
74, 55.568, 299.902

Sweetspot

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



74, 55.567, 69.906



93, 15.749, 76.067



59, 66.333, 352.801



49, 10.906, 75.698



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74, 55.567, 69.906



74, 70.823, 67.702



92, 74.084, 105.088



48, 4.388, 77.268



50, 65.867, 63.064



14, 23.452, 64.290

Inverse Universe

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



64, 47.948, 272.850



61, 60.613, 278.110



45, 90.556, 301.032



48, 4.311, 259.826



38, 59.754, 286.779



9, 22.505, 279.336

Previews

White Background



This preview shows how the CIELCh color 74, 55.568, 69.902 looks on a white background.

Color Contrast Check

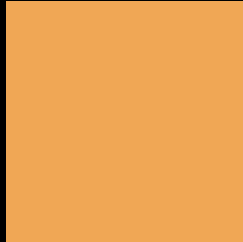
Large Text (above 18pt) WCAG AA × Fail

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 74, 55.568, 69.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

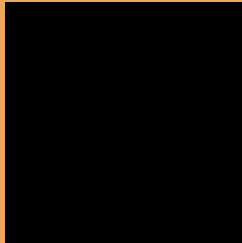
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 55.568, 69.902

Background



This preview shows how black text looks on a background with the CIELCh color 74, 55.568, 69.902.



This preview shows how white text looks on a background with the CIELCh color 74, 55.568, 69.902.

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

74, 55.568, 69.902

Protanopia

74, 48.939, 95.194

Deuteranopia

74, 53.326, 79.714



Tritanopia
74, 35.485, 12.555

Trichromacy



Original Color
74, 55.568, 69.902

Protanomaly
74, 49.940, 84.855

Deuteranomaly
74, 53.728, 76.273

Tritanomaly
74, 37.470, 41.136

Monochromacy



Original Color
74, 55.568, 69.902

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 19.462, 75.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 55.568, 69.902 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, 167, 85)` looks like.

```
.text, #text, p{  
    color:rgb(240, 167, 85)  
}
```

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, 167, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 167, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 55.568, 69.902 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, 167, 85) }
```

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

```
.border{ border-color:rgb(240, 167, 85) }
```

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

Here you see how a box with a 4 pixel rgb(240, 167, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 167, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 167, 85);  
box-shadow:4px 4px 4px 4px rgb(240, 167,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 55.568, 69.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 167, 85) }
```

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

```
.background{ background-color: rgb(240,  
167, 85) }
```

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