

Converting Colors

CIELCh(73, 48.865, 68.987)

Have a look what the booklet for
CIELCh(73, 48.865, 68.987) contains.

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Color

CIELCh(73, 49.161, 68.605)

Conversions

Conversions Part 1

Format	Color
Hex	E9A55F
RGB	233, 165, 95
RGB Percent	91%, 65%, 37%
CMY	0.0855, 0.3522, 0.6268
CMYK	0.00, 0.29, 0.59, 0.09
HSL	30°, 76%, 64%
HSV	30°, 59%, 91%
XYZ	49.2336, 45.1644, 16.9909
YIQ	177.3520, 62.9980, -7.3540

Conversions

Conversions Part 2

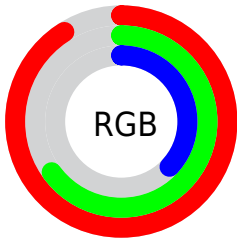
Format	Color
R_{YB}	229, 233, 95
Decimal	15312223
CIE _{Lab}	73.00, 17.93, 45.77
CIE _{LCh}	73, 49.161, 68.605
Yxy	45.1644, 0.4420, 0.4055
Android (android.graphics.Color)	4293502303 (0xFFE9A55F)
YUV	177.3520, -40.5995, 48.8033
Hunter-Lab	67.2044, 13.1603, 32.0532

Details

The CIELCh color **73, 49.161, 68.605** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **65, 41.718, 268.628**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 40.385, 86.269**, and **53, 49.386, 68.485** is the 20% darker color. If you saturate the color by 10%, you get **70, 58.271, 67.197**, and if you desaturate by 10%, it is **76, 40.068, 69.940**.

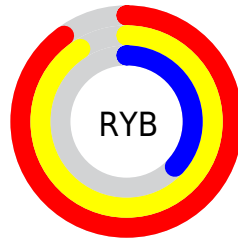
Distribution



Red (91%)

Green (65%)

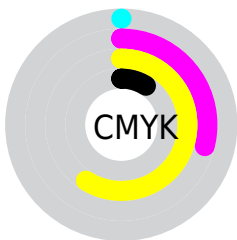
Blue (37%)



Red (90%)

Yellow (91%)

Blue (37%)

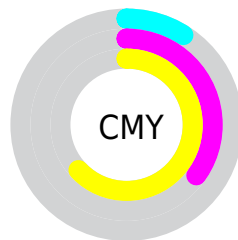


Cyan (0%)

Magenta (29%)

Yellow (59%)

Black (9%)



Cyan (9%)

Magenta (35%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 49.161, 68.605 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 73, 49.161, 68.605 by changing the saturation by 10% instead.

73, 49.161, 68.605

73, 49.161, 68.605

100, 49.161,
68.605

63, 49.161, 68.605

93, 49.161, 68.605

53, 49.161, 68.605

43, 49.161, 68.605

33, 49.161, 68.605

23, 49.161, 68.605

13, 49.161, 68.605

3, 49.161, 68.605

0, 49.161, 68.605

73, 49.161, 68.605

73, 49.161, 68.605

70, 58.271, 67.197

76, 40.068, 69.940

67, 66.913, 65.588

79, 31.224, 71.239

65, 74.210, 63.540

83, 22.724, 72.522

62, 79.284, 60.801

86, 14.595, 73.786

62, 79.675, 60.584

89, 6.829, 75.010

93, 0.600, 256.977

96, 6.346, 248.562

98, 7.452, 199.023

Harmonies

Complementary

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



73, 49.161, 68.605



65, 41.718, 268.628

Rectangle

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



73, 49.161, 68.605



73, 49.161, 118.605



73, 49.161, 248.605



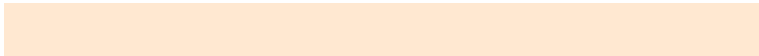
73, 49.161, 298.605

Sweetspot

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



73, 49.160, 68.609



93, 14.683, 73.924



60, 60.939, 350.594



49, 10.272, 73.557



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 49.160, 68.609



75, 64.408, 66.873



90, 67.414, 104.665



47, 4.245, 74.977



49, 65.705, 61.250



13, 22.181, 61.713

Inverse Universe

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



65, 41.718, 268.628



66, 53.345, 273.014



48, 80.495, 299.512



47, 4.157, 257.502



39, 56.576, 284.703



9, 20.843, 276.598

Previews

White Background



This preview shows how the CIELCh color 73, 49.161, 68.605 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 73, 49.161, 68.605 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 73, 49.161, 68.605

Background



This preview shows how black text looks on a background with the CIELCh color 73, 49.161, 68.605.



This preview shows how white text looks on a background with the CIELCh color 73, 49.161, 68.605.

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

73, 49.161, 68.605

Protanopia

73, 42.966, 96.159

Deuteranopia

73, 46.926, 78.613



Tritanopia
73, 32.721, 12.294

Trichromacy



Original Color
73, 49.161, 68.605

Protanomaly
73, 43.969, 85.727

Deuteranomaly
73, 47.803, 74.945

Tritanomaly
73, 33.836, 38.468

Monochromacy



Original Color
73, 49.161, 68.605

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 16.981, 72.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 49.161, 68.605 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(233, 165, 95)` looks like.

```
.text, #text, p{  
    color:rgb(233, 165, 95)  
}
```

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(233, 165, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 165, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 49.161, 68.605 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(233, 165, 95) }
```

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

```
.border{ border-color:rgb(233, 165, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 165, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 165, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 165, 95);  
box-shadow:4px 4px 4px 4px rgb(233, 165,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 49.161, 68.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 165, 95) }
```

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

```
.background{ background-color: rgb(233,  
165, 95) }
```

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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