

Converting Colors

CIELCh(73, 49.957, 64.409)

Have a look what the booklet for
CIELCh(73, 49.957, 64.409) contains.

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Color

CIELCh(73, 49.776, 64.807)

Conversions

Conversions Part 1

Format	Color
Hex	EEA361
RGB	238, 163, 97
RGB Percent	93%, 64%, 38%
CMY	0.0672, 0.3612, 0.6201
CMYK	0.00, 0.32, 0.59, 0.07
HSL	28°, 80%, 66%
HSV	28°, 59%, 93%
XYZ	50.4404, 45.1644, 17.3397
YIQ	177.9010, 65.8860, -4.6260

Conversions

Conversions Part 2

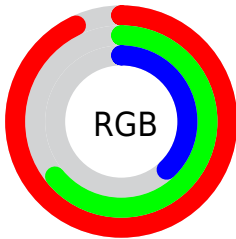
Format	Color
R _Y B	238, 221, 97
Decimal	15639393
CIE Lab	73.00, 21.19, 45.04
CIE LCh	73, 49.776, 64.807
Yxy	45.1644, 0.4466, 0.3999
Android (android.graphics.Color)	4293829473 (0xFFEEA361)
YUV	177.9010, -39.8842, 52.7068
Hunter-Lab	67.2044, 16.3655, 31.7454

Details

The CIELCh color **73, 49.776, 64.807** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **68, 40.237, 264.197**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 38.885, 84.309**, and **53, 49.489, 64.728** is the 20% darker color. If you saturate the color by 10%, you get **70, 59.268, 63.548**, and if you desaturate by 10%, it is **76, 40.406, 66.012**.

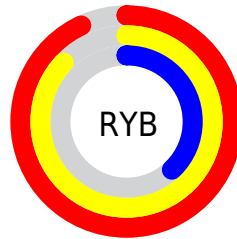
Distribution



Red (93%)

Green (64%)

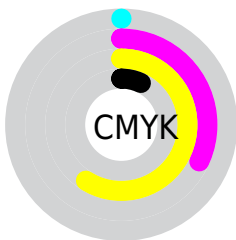
Blue (38%)



Red (93%)

Yellow (87%)

Blue (38%)

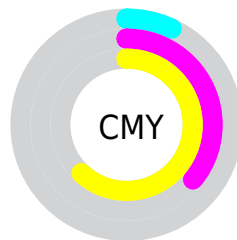


Cyan (0%)

Magenta (32%)

Yellow (59%)

Black (7%)



Cyan (7%)

Magenta (36%)

Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 49.776, 64.807 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, 49.776, 64.807 by changing the saturation by 10% instead.

 73, 49.776, 64.807

 73, 49.776, 64.807

 100, 49.776,
64.807

 63, 49.776, 64.807

 93, 49.776, 64.807

 53, 49.776, 64.807

 43, 49.776, 64.807

 33, 49.776, 64.807

 23, 49.776, 64.807

 13, 49.776, 64.807

 3, 49.776, 64.807

 0, 49.776, 64.807

 73, 49.776, 64.807

 73, 49.776, 64.807

70, 59.268, 63.548

76, 40.406, 66.012

67, 68.409, 62.099

80, 31.375, 67.201

64, 76.293, 60.202

83, 22.766, 68.392

61, 81.947, 57.575

87, 14.592, 69.578

61, 82.341, 57.391

91, 6.836, 70.736

94, 0.535, 252.816

98, 4.974, 220.739

99, 5.888, 199.145

Harmonies

Complementary

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



73, 49.776, 64.807



68, 40.237, 264.197

Rectangle

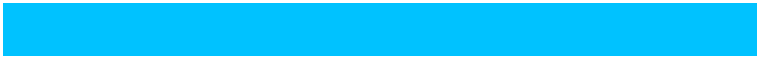
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 49.776, 64.807



73, 49.776, 114.807



73, 49.776, 244.807



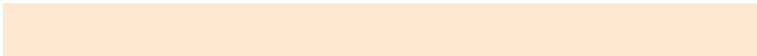
73, 49.776, 294.807

Sweetspot

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



73, 49.775, 64.811



93, 14.377, 69.720



61, 63.003, 348.490



48, 10.068, 69.375



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, 49.775, 64.811



74, 64.452, 63.279



90, 66.728, 103.036



48, 4.220, 70.712



48, 67.535, 58.064



13, 23.454, 57.882

Inverse Universe

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



68, 40.237, 264.197



68, 50.172, 268.588



50, 79.006, 298.409



48, 4.106, 253.159



41, 52.886, 280.738



11, 20.217, 272.753

Previews

White Background



This preview shows how the CIELCh color 73, 49.776, 64.807 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, 49.776, 64.807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

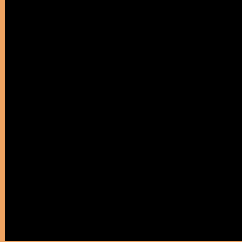
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 49.776, 64.807

Background



This preview shows how black text looks on a background with the CIELCh color 73, 49.776, 64.807.



This preview shows how white text looks on a background with the CIELCh color 73, 49.776, 64.807.

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, 49.776, 64.807

Protanopia

73, 41.485, 95.988

Deuteranopia

73, 46.469, 78.403



Tritanopia
73, 35.162, 13.309

Trichromacy



Original Color
73, 49.776, 64.807

Protanomaly
73, 42.639, 83.402

Deuteranomaly
73, 47.040, 73.302

Tritanomaly
73, 36.166, 36.772

Monochromacy



Original Color
73, 49.776, 64.807

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 17.062, 69.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 49.776, 64.807 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(238, 163, 97)` looks like.

```
.text, #text, p{  
    color:rgb(238, 163, 97)  
}
```

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(238, 163, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 163, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 49.776, 64.807 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(238, 163, 97) }
```

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

```
.border{ border-color:rgb(238, 163, 97) }
```

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

Here you see how a box with a 4 pixel rgb(238, 163, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 163, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 163, 97);  
box-shadow:4px 4px 4px 4px rgb(238, 163,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 49.776, 64.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 163, 97) }
```

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

```
.background{ background-color: rgb(238,  
163, 97) }
```

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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