

# Converting Colors

CIELCh(75, 43.514, 61.680)

Have a look what the booklet for  
CIELCh(75, 43.514, 61.680) contains.

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# **Color**

**CIELCh(75, 43.514, 61.680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F1A973
RGB	241, 169, 115
RGB Percent	95%, 66%, 45%
CMY	0.0552, 0.3375, 0.5492
CMYK	0.00, 0.30, 0.52, 0.06
HSL	26°, 82%, 70%
HSV	26°, 52%, 94%
XYZ	53.5197, 48.2781, 22.6998
YIQ	184.3720, 60.2460, -1.5300

# Conversions

## Conversions Part 2

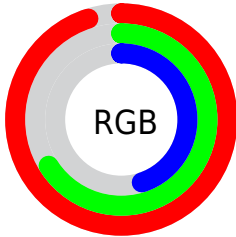
Format	Color
R <sub>Y</sub> B	241, 210, 115
Decimal	15837555
CIE Lab	75.00, 20.64, 38.31
CIE LCh	75, 43.514, 61.680
Yxy	48.2781, 0.4299, 0.3878
Android (android.graphics.Color)	4294027635 (0xFFFF1A973)
YUV	184.3720, -34.2004, 49.6628
Hunter-Lab	69.4824, 15.8974, 29.2678

# Details

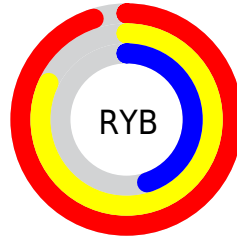
The CIELCh color **75, 43.514, 61.680** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **73, 34.611, 257.073**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 31.511, 84.736**, and **55, 43.377, 61.671** is the 20% darker color. If you saturate the color by 10%, you get **72, 53.240, 60.656**, and if you desaturate by 10%, it is **79, 34.170, 62.716**.

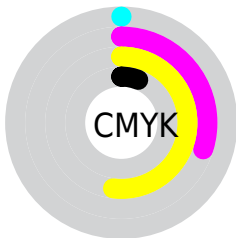
# Distribution



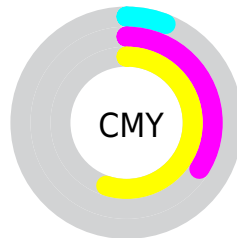
- Red (95%)
- Green (66%)
- Blue (45%)



- Red (95%)
- Yellow (82%)
- Blue (45%)



- Cyan (0%)
- Magenta (30%)
- Yellow (52%)
- Black (6%)



- Cyan (6%)
- Magenta (34%)
- Yellow (55%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 43.514, 61.680 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, 43.514, 61.680 by changing the saturation by 10% instead.



 75, 43.514, 61.680

 75, 43.514, 61.680

 100, 43.514,  
61.680

 65, 43.514, 61.680

 95, 43.514, 61.680

 55, 43.514, 61.680

 45, 43.514, 61.680

 35, 43.514, 61.680

 25, 43.514, 61.680

 15, 43.514, 61.680

 5, 43.514, 61.680

 0, 43.514, 61.680

 75, 43.514, 61.680

 75, 43.514, 61.680

72, 53.240, 60.656

79, 34.170, 62.716

68, 63.090, 59.566

82, 25.309, 63.770

65, 72.483, 58.248

86, 16.950, 64.844

62, 80.335, 56.364

90, 9.072, 65.916

60, 84.867, 54.431

94, 1.639, 66.773

98, 4.032, 225.332

99, 4.846, 199.235

# Harmonies

# Complementary

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



75, 43.514, 61.680



73, 34.611, 257.073

# Rectangle

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



75, 43.514, 61.680



75, 43.514, 111.680



75, 43.514, 241.680



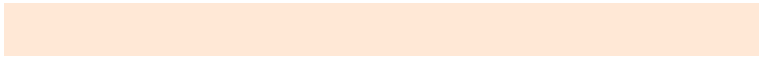
75, 43.514, 291.680

# Sweetspot

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



75, 43.513, 61.685



93, 12.503, 65.516



65, 58.794, 344.486



49, 8.494, 65.294



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, 43.513, 61.685



75, 56.504, 60.562



90, 57.864, 101.099



48, 4.142, 66.209



47, 68.867, 55.122



13, 23.613, 53.852





# Inverse Universe

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



73, 34.611, 257.073



73, 42.680, 260.597



57, 65.626, 294.906



48, 4.006, 248.521



44, 48.779, 276.095



11, 18.895, 267.827



# Previews

## White Background



This preview shows how the CIELCh color 75, 43.514, 61.680 looks on a white background.

## Color Contrast Check

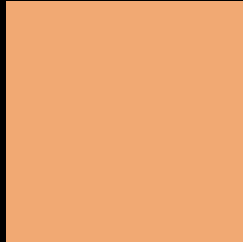
Large Text (above 18pt) WCAG AA × Fail

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, 43.514, 61.680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

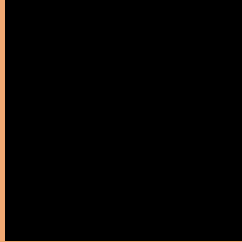
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 75, 43.514, 61.680

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 43.514, 61.680.



This preview shows how white text looks on a background with the CIELCh color 75, 43.514, 61.680.

# 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, 43.514, 61.680

**Protanopia**

75, 34.700, 95.718

**Deuteranopia**

75, 40.193, 76.584



**Tritanopia**  
75, 33.343, 11.610



# Trichromacy



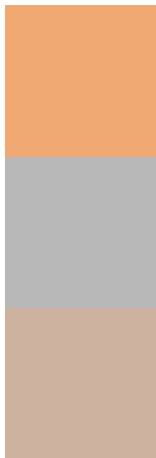
**Original Color**  
75, 43.514, 61.680

**Protanomaly**  
75, 36.013, 81.085

**Deuteranomaly**  
75, 40.853, 70.766

**Tritanomaly**  
75, 33.152, 33.154

# Monochromacy



**Original Color**  
75, 43.514, 61.680

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
75, 14.990, 65.540

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 43.514, 61.680 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(241, 169, 115)` looks like.

```
.text, #text, p{  
    color:rgb(241, 169, 115)  
}
```

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(241, 169, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 169, 115) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 43.514, 61.680 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(241, 169, 115) }
```

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

```
.border{ border-color:rgb(241, 169, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 169, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 169, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 169, 115);  
box-shadow:4px 4px 4px 4px rgb(241, 169,  
115) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 43.514, 61.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 169, 115) }
```

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

```
.background{ background-color: rgb(241,  
169, 115) }
```

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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